

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: Mattos Brothers #3

Physical address of dairy:

3912 Avenue 232

Number and Street

Tulare

Tulare

93274

City

County

Zip Code

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

Date facility was originally placed in operation: 07/05/1923

Regional Water Quality Control Board Basin Plan designation: Tulare Basin

County Assessor Parcel Number(s) for dairy facility:

X147-X006-X019-XXXX	X147-X050-X019-XXXX	X147-X080-X013-XXXX	X155-155X-030X-008X	X155-X020-X006-XXXX	X155-X020-X009-XXXX
X155-X030-X008-XXXX	X155-X030-X018-XXXX	X155-X030-X020-XXXX	X155-X030-X021-XXXX		

B. OPERATORS

Mattos, Fernando OR Joe

Operator name: Mattos, Fernando OR Joe	Telephone no.:	(559) 799-8405
	Landline	Cellular
4017 Kansas AVE	Hanford	CA
Mailing Address Number and Street	City	State
		Zip Code

This operator is responsible for paying permit fees.

C. OWNERS

Mattos, Fernando OR Joe

Legal owner name: Mattos, Fernando OR Joe	Telephone no.:	(559) 799-8405
	Landline	Cellular
4017 Kansas AVE	Hanford	CA
Mailing Address Number and Street	City	State
		Zip Code

This owner is responsible for paying permit fees.

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AVAILABLE NUTRIENTS

A. HERD INFORMATION

	Milk Cows	Dry Cows	Bred Heifers (15-24 mo.)	Heifers (7-14 mo. to breeding)	Calves (4-6 mo.)	Calves (0-3 mo.)
Number open confinement	1	1	218	1	1	1
Number under roof	0	0	0	0	0	0
Maximum number	1	1	218	1	1	1
Average number	1	1	218	1	1	1
Avg live weight (lbs)	1,400	1,450	800	700		

Predominant milk cow breed: Holstein

Average milk production: 1 pounds per cow per day

B. MANURE GENERATED

Total manure excreted by the herd: 2,184.17 tons per reporting period

Total nitrogen from manure: 21,297.30 lbs per reporting period

After ammonia losses (30% loss applied): 14,908.11 lbs per reporting period

Total phosphorus from manure: 3,585.77 lbs per reporting period

Total potassium from manure: 146.18 lbs per reporting period

Total salt from manure: 700.80 lbs per reporting period

C. PROCESS WASTEWATER GENERATED

Process wastewater generated: gallons

Total nitrogen generated: lbs

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

Total phosphorus generated: lbs

Total potassium generated: lbs

Total salt generated: lbs

D. FRESH WATER SOURCES

Source Description	Type
Canal	Surface water
P-1K	Ground water
P-2F	Ground water
P-2K	Ground water
P-3K	Ground water

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Source Description	Type
P-4F	Ground water
P-4K	Ground water

E. SUBSURFACE (TILE) DRAINAGE SOURCES*No subsurface (tile) drainage sources entered.***F. NUTRIENT IMPORTS***No dry manure nutrient imports entered.**No process wastewater nutrient imports entered.**No commercial or other nutrient imports entered.***G. NUTRIENT EXPORTS**

Date	Material type	Quantity	Reporting basis	Moisture (%)	Density (lbs/cu ft)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/10/2023	Corral solids	450.00 ton	Dry-weight	66.4		16,800.00	3,900.00	13,900.00		1.00

No liquid nutrient exports entered.

Material type	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Dry manure	5,080.32	1,179.36	4,203.36	3,024.00
Process wastewater	0.00	0.00	0.00	0.00
Total exports for all materials	5,080.32	1,179.36	4,203.36	3,024.00

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APPLICATION AREA

A. LIST OF LAND APPLICATION AREAS

Field name	Controlled acres	Cropable acres	Total harvests	Type of waste applied	Parcel number
F-1-F	58	58	0	none	X155-X030-X021-XXXX
F-1-K	76	76	2	manure	X147-X080-X013-XXXX
F-2-F	86	86	0	none	X155-X030-X018-XXXX X155-X030-X021-XXXX
F-2-K	27	27	2	manure	X147-X080-X013-XXXX
F-3-F	41	41	0	none	X155-X030-X008-XXXX X155-X030-X020-XXXX
F-3-K	77	77	2	manure	X147-X006-X019-XXXX
F-4-F	40	40	0	none	X155-X020-X006-XXXX
F-4-K	72	72	2	manure	X147-X006-X019-XXXX
F-5-K	76	76	0	none	X147-X050-X019-XXXX
F-6-K	52	52	0	none	X155-X020-X009-XXXX
Totals for areas that were used for application	252	252	8		
Totals for areas that were not used for application	353	353	0		
Land application area totals	605	605	8		

B. CROPS AND HARVESTS

F-1-K

Field name: F-1-K

11/12/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 76 Plant date: 11/12/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/04/2023	1,327.00 ton	Dry-weight		65.8	14,800.00	30,000.00	11,500.00		10.90

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	198.00	30.60	149.40	0.00
Total actual harvest content	17.46	176.76	358.29	137.34	1,301.79

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F-1-K

06/07/2023: Corn, silage

Crop: Corn, silage Acres planted: 76 Plant date: 06/07/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/18/2023	1,785.00 ton	Dry-weight		66.7	13,000.00	2,400.00	11,600.00		4.85

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	0.00
Total actual harvest content	23.49	203.35	37.54	181.45	758.65

F-2-K

Field name: F-2-K

11/07/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 27 Plant date: 11/07/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/04/2023	459.00 ton	Dry-weight		67.3	12,200.00	3,000.00	12,200.00		9.32

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	198.00	30.60	149.40	0.00
Total actual harvest content	17.00	135.64	33.35	135.64	1,036.20

06/07/2023: Corn, silage

Crop: Corn, silage Acres planted: 27 Plant date: 06/07/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/18/2023	1,892.00 ton	Dry-weight		66.8	10,900.00	2,500.00	11,100.00		5.08

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	0.00
Total actual harvest content	70.07	507.17	116.32	516.47	2,363.68

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F-3-KField name: F-3-K

11/04/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 77 Plant date: 11/04/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/05/2023	1,302.00 ton	Dry-weight		64.3	13,900.00	3,000.00	17,500.00		8.46

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	198.00	30.60	149.40	0.00
Total actual harvest content	16.91	167.82	36.22	211.28	1,021.38

06/08/2023: Corn, silage

Crop: Corn, silage Acres planted: 77 Plant date: 06/08/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/19/2023	1,904.00 ton	Dry-weight		62.8	11,800.00	2,500.00	9,400.00		4.84

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	0.00
Total actual harvest content	24.73	217.09	45.99	172.93	890.42

F-4-KField name: F-4-K

11/04/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 72 Plant date: 11/04/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/05/2023	1,325.00 ton	Dry-weight		69.0	16,600.00	3,200.00	20,500.00		9.49

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	198.00	30.60	149.40	0.00
Total actual harvest content	18.40	189.40	36.51	233.90	1,082.78

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F-4-K

06/08/2023: Corn, silage

Crop: Corn, silage Acres planted: 72 Plant date: 06/08/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/19/2023	1,973.00 <i>ton</i>	Dry-weight		66.2	12,700.00	2,600.00	12,500.00		6.28

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	0.00
Total actual harvest content	27.40	235.26	48.16	231.55	1,163.32

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NUTRIENT BUDGET**A. LAND APPLICATIONS**

F-1-K - 11/12/2022: Wheat, silage, soft dough

Field name: F-1-K

Crop: Wheat, silage, soft dough Plant date: 11/12/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
10/21/2022	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	72.74	28.82	93.33	137.25	915.00 ton
Application event totals		72.74	28.82	93.33	137.25	
11/18/2022	Pipeline	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
P-1K	Ground water	18.94	0.00	0.00	1.16	10,584,000.00 gal
Application event totals		18.94	0.00	0.00	1.16	
04/03/2023	Pipeline	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.34	0.00	0.00	61.76	10,416,000.00 gal
Application event totals		0.34	0.00	0.00	61.76	

F-1-K - 06/07/2023: Corn, silage

Field name: F-1-K

Crop: Corn, silage Plant date: 06/07/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/12/2023	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	135.92	31.55	112.46	80.91	915.00 ton
Application event totals		135.92	31.55	112.46	80.91	

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F-1-K - 06/07/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/19/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.38	0.00	0.00	67.88	11,448,000.00 gal
Application event totals		0.38	0.00	0.00	67.88	
07/03/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.32	0.00	0.00	58.49	9,864,000.00 gal
Application event totals		0.32	0.00	0.00	58.49	
07/17/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.32	0.00	0.00	57.21	9,648,000.00 gal
Application event totals		0.32	0.00	0.00	57.21	
07/28/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.24	0.00	0.00	43.12	7,272,000.00 gal
Application event totals		0.24	0.00	0.00	43.12	
08/10/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.27	0.00	0.00	48.67	8,208,000.00 gal
Application event totals		0.27	0.00	0.00	48.67	
08/24/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.23	0.00	0.00	42.26	7,128,000.00 gal
Application event totals		0.23	0.00	0.00	42.26	

F-2-K - 11/07/2022: Wheat, silage, soft dough

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F-2-K - 11/07/2022: Wheat, silage, soft dough

Field name: F-2-K

Crop: Wheat, silage, soft dough

Plant date: 11/07/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
10/30/2022	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	72.50	28.73	93.02	136.80	324.00 ton
Application event totals		72.50	28.73	93.02	136.80	
11/29/2022	Pipeline	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
P-1K	Ground water	13.87	0.00	0.00	0.85	2,754,000.00 gal
Application event totals		13.87	0.00	0.00	0.85	
04/06/2023	Pipeline	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.37	0.00	0.00	65.89	3,948,000.00 gal
Application event totals		0.37	0.00	0.00	65.89	

F-2-K - 06/07/2023: Corn, silage

Field name: F-2-K

Crop: Corn, silage

Plant date: 06/07/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/10/2023	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	381.34	88.52	315.51	226.99	912.00 ton
Application event totals		381.34	88.52	315.51	226.99	

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F-2-K - 06/07/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/19/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	1.07	0.00	0.00	193.47	11,592,000.00 gal
Application event totals		1.07	0.00	0.00	193.47	
07/03/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.68	0.00	0.00	122.57	7,344,000.00 gal
Application event totals		0.68	0.00	0.00	122.57	
07/17/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.96	0.00	0.00	173.04	10,368,000.00 gal
Application event totals		0.96	0.00	0.00	173.04	
07/28/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.73	0.00	0.00	130.98	7,848,000.00 gal
Application event totals		0.73	0.00	0.00	130.98	
08/10/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.74	0.00	0.00	133.39	7,992,000.00 gal
Application event totals		0.74	0.00	0.00	133.39	
08/28/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.52	0.00	0.00	93.73	5,616,000.00 gal
Application event totals		0.52	0.00	0.00	93.73	

F-3-K - 11/04/2022: Wheat, silage, soft dough

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F-3-K - 11/04/2022: Wheat, silage, soft dough

Field name: F-3-K

Crop: Wheat, silage, soft dough

Plant date: 11/04/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
10/29/2022	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	72.58	28.76	93.12	136.95	925.00 ton
Application event totals		72.58	28.76	93.12	136.95	
11/05/2022	Pipeline	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
P-1K	Ground water	13.74	0.00	0.00	0.84	7,776,000.00 gal
P-2K	Ground water	6.18	0.00	0.00	0.70	6,480,000.00 gal
Application event totals		19.92	0.00	0.00	1.55	
04/04/2023	Pipeline	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
P-2K	Ground water	7.57	0.00	0.00	0.86	7,938,000.00 gal
Application event totals		7.57	0.00	0.00	0.86	

F-3-K - 06/08/2023: Corn, silage

Field name: F-3-K

Crop: Corn, silage

Plant date: 06/08/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/14/2023	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	135.62	31.48	112.21	80.73	925.00 ton
Application event totals		135.62	31.48	112.21	80.73	

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F-3-K - 06/08/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/15/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
P-2K	Ground water	4.43	0.00	0.00	0.50	4,644,000.00 gal
Application event totals		4.43	0.00	0.00	0.50	
06/30/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
P-2K	Ground water	3.71	0.00	0.00	0.42	3,888,000.00 gal
Application event totals		3.71	0.00	0.00	0.42	
07/17/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.23	0.00	0.00	41.29	7,056,000.00 gal
Application event totals		0.23	0.00	0.00	41.29	
07/28/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.26	0.00	0.00	47.68	8,148,000.00 gal
Application event totals		0.26	0.00	0.00	47.68	
08/10/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.13	0.00	0.00	24.09	4,116,000.00 gal
Application event totals		0.13	0.00	0.00	24.09	
08/24/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
P-2K	Ground water	3.86	0.00	0.00	0.44	4,050,000.00 gal
Application event totals		3.86	0.00	0.00	0.44	

F-4-K - 11/04/2022: Wheat, silage, soft dough

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F-4-K - 11/04/2022: Wheat, silage, soft dough

Field name: F-4-K

Crop: Wheat, silage, soft dough

Plant date: 11/04/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
10/21/2022	Broadcast/incorporate	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Manure	Corral solids	72.50	28.73	93.02	136.80
Application event totals		72.50	28.73	93.02	136.80
11/05/2022	Pipeline	No precipitation	No precipitation	No precipitation	No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
P-1K	Ground water	8.47	0.00	0.00	0.52
Application event totals		8.47	0.00	0.00	0.52
04/04/2023	Pipeline	No precipitation	No precipitation	No precipitation	No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
P-1K	Ground water	8.47	0.00	0.00	0.52
P-3K	Ground water	3.84	0.00	0.00	0.53
Application event totals		12.31	0.00	0.00	1.05

F-4-K - 06/08/2023: Corn, silage

Field name: F-4-K

Crop: Corn, silage

Plant date: 06/08/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
05/18/2023	Broadcast/incorporate	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Manure	Corral solids	135.48	31.45	112.09	80.64
Application event totals		135.48	31.45	112.09	80.64

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F-4-K - 06/08/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/19/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
P-2K	Ground water	10.52	0.00	0.00	1.20	10,314,000.00 gal
Application event totals		10.52	0.00	0.00	1.20	
07/03/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
P-2K	Ground water	1.06	0.00	0.00	0.12	1,044,000.00 gal
Application event totals		1.06	0.00	0.00	0.12	
07/09/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
P-2K	Ground water	10.80	0.00	0.00	1.23	10,584,000.00 gal
Application event totals		10.80	0.00	0.00	1.23	
07/19/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
P-2K	Ground water	6.11	0.00	0.00	0.69	5,994,000.00 gal
Application event totals		6.11	0.00	0.00	0.69	
07/30/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
P-2K	Ground water	5.40	0.00	0.00	0.61	5,292,000.00 gal
Application event totals		5.40	0.00	0.00	0.61	
08/12/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
P-2K	Ground water	4.57	0.00	0.00	0.52	4,482,000.00 gal
Canal	Surface water	0.22	0.00	0.00	39.43	6,300,000.00 gal
Application event totals		4.79	0.00	0.00	39.95	

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

F-4-K - 06/08/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
08/27/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
P-2K	Ground water	4.46	0.00	0.00	0.51	4,374,000.00 gal
Canal	Surface water	0.13	0.00	0.00	23.66	3,780,000.00 gal
Application event totals		4.59	0.00	0.00	24.17	

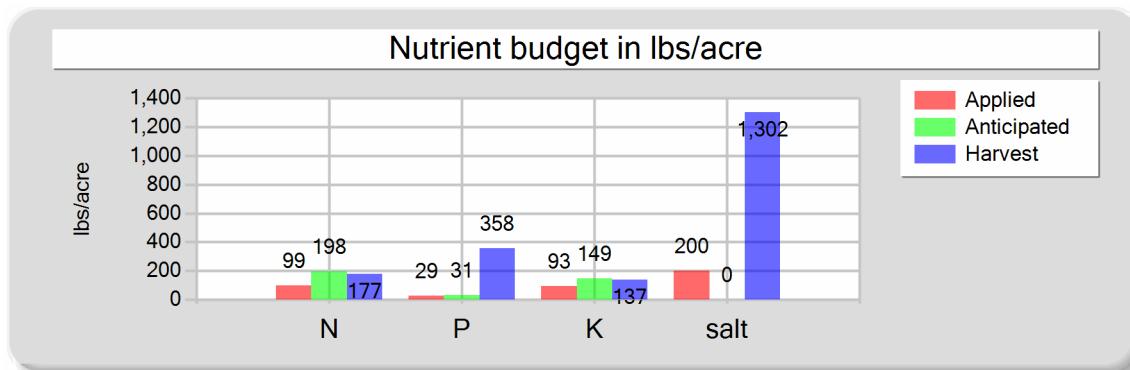
Annual Report - General Order No. R5-2007-0035

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

B. NUTRIENT BUDGET

F-1-K - 11/12/2022: Wheat, silage, soft dough

Field name: F-1-K	Crop: Wheat, silage, soft dough	Plant date: 11/12/2022
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	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	72.74	28.82	93.33	137.25
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	19.29	0.00	0.00	62.92
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	99.03	28.82	93.33	200.17
Anticipated crop nutrient removal	198.00	30.60	149.40	0.00
Actual crop nutrient removal	176.76	358.29	137.34	1,301.79
Nutrient balance	-77.73	-329.47	-44.01	-1,101.61
Applied to removed ratio	0.56	0.08	0.68	0.15

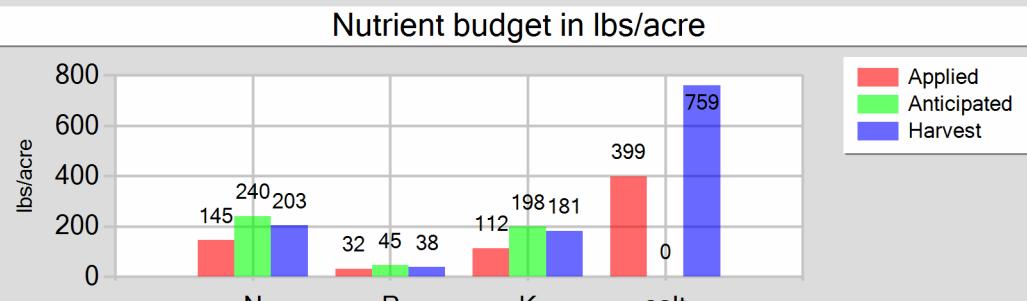
Fresh water applied
21,000,000.00 gallons
773.36 acre-inches
10.18 inches/acre
Process wastewater applied
0.00 gallons
0.00 acre-inches
0.00 inches/acre
Total harvests for the crop
1 harvests

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F-1-K - 06/07/2023: Corn, silage

Field name: F-1-K Crop: Corn, silage Plant date: 06/07/2023



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	53,568,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	1,972.73 acre-inches
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	25.96 inches/acre
Dry manure	135.92	31.55	112.46	80.91	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	1.76	0.00	0.00	317.62	
Atmospheric deposition	7.00	0.00	0.00	0.00	
Total nutrients applied	144.69	31.55	112.46	398.53	
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00	
Actual crop nutrient removal	203.35	37.54	181.45	758.65	
Nutrient balance	-58.66	-5.99	-68.99	-360.12	
Applied to removed ratio	0.71	0.84	0.62	0.53	
Total harvests for the crop					1 harvests

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

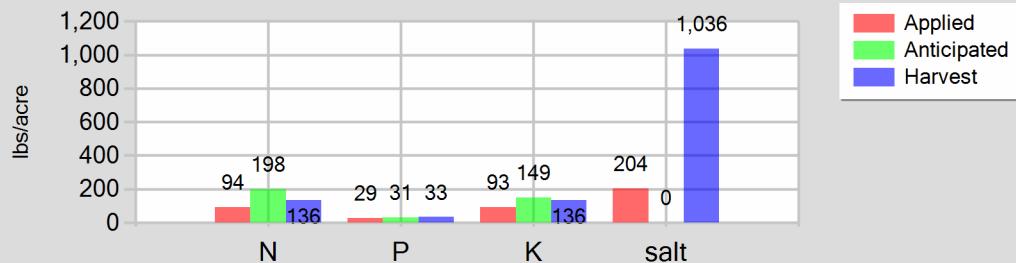
F-2-K - 11/07/2022: Wheat, silage, soft dough

Field name: F-2-K

Crop: Wheat, silage, soft dough

Plant date: 11/07/2022

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	6,702,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	246.81 acre-inches
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	9.14 inches/acre
Dry manure	72.50	28.73	93.02	136.80	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	14.24	0.00	0.00	66.74	
Atmospheric deposition	7.00	0.00	0.00	0.00	
Total nutrients applied	93.74	28.73	93.02	203.54	
Anticipated crop nutrient removal	198.00	30.60	149.40	0.00	
Actual crop nutrient removal	135.64	33.35	135.64	1,036.20	
Nutrient balance	-41.90	-4.63	-42.62	-832.65	
Applied to removed ratio	0.69	0.86	0.69	0.20	
Total harvests for the crop					1 harvests

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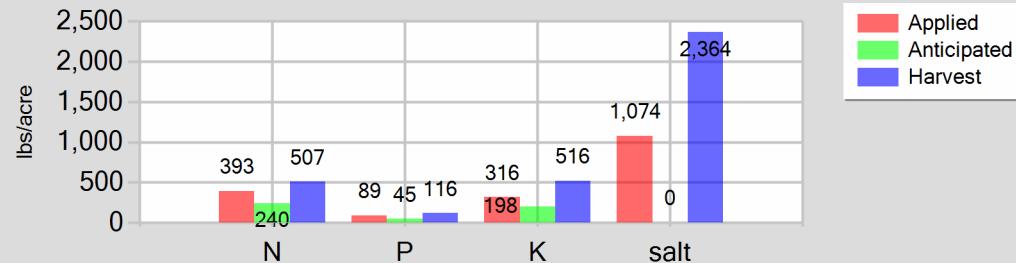
F-2-K - 06/07/2023: Corn, silage

Field name: F-2-K

Crop: Corn, silage

Plant date: 06/07/2023

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	381.34	88.52	315.51	226.99
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	4.71	0.00	0.00	847.18
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	393.04	88.52	315.51	1,074.17
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00
Actual crop nutrient removal	507.17	116.32	516.47	2,363.68
Nutrient balance	-114.12	-27.80	-200.96	-1,289.51
Applied to removed ratio	0.77	0.76	0.61	0.45

Fresh water applied

50,760,000.00 gallons
1,869.32 acre-inches
69.23 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

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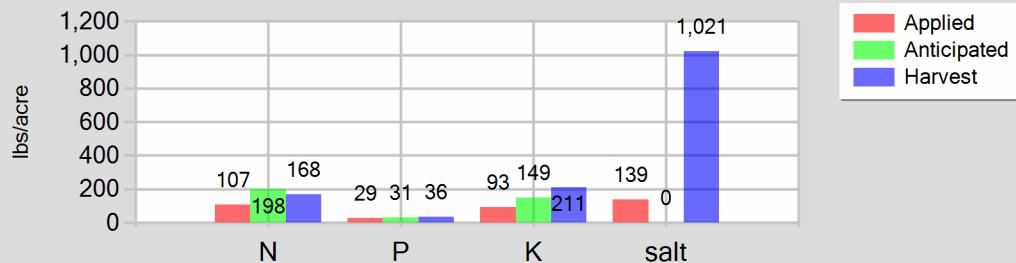
F-3-K - 11/04/2022: Wheat, silage, soft dough

Field name: F-3-K

Crop: Wheat, silage, soft dough

Plant date: 11/04/2022

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	22,194,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	817.33 acre-inches
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	10.61 inches/acre
Dry manure	72.58	28.76	93.12	136.95	
Process wastewater	0.00	0.00	0.00	0.00	0.00 gallons
Fresh water	27.49	0.00	0.00	2.41	0.00 acre-inches
Atmospheric deposition	7.00	0.00	0.00	0.00	0.00 inches/acre
Total nutrients applied	107.07	28.76	93.12	139.35	
Anticipated crop nutrient removal	198.00	30.60	149.40	0.00	
Actual crop nutrient removal	167.82	36.22	211.28	1,021.38	
Nutrient balance	-60.75	-7.46	-118.15	-882.03	
Applied to removed ratio	0.64	0.79	0.44	0.14	
Total harvests for the crop					1 harvests

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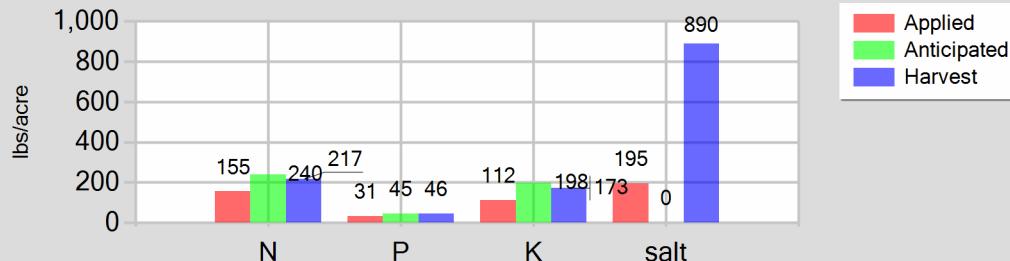
F-3-K - 06/08/2023: Corn, silage

Field name: F-3-K

Crop: Corn, silage

Plant date: 06/08/2023

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	31,902,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	1,174.84 acre-inches
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	15.26 inches/acre
Dry manure	135.62	31.48	112.21	80.73	
Process wastewater	0.00	0.00	0.00	0.00	0.00 gallons
Fresh water	12.63	0.00	0.00	114.43	0.00 acre-inches
Atmospheric deposition	7.00	0.00	0.00	0.00	0.00 inches/acre
Total nutrients applied	155.25	31.48	112.21	195.16	
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00	
Actual crop nutrient removal	217.09	45.99	172.93	890.42	
Nutrient balance	-61.84	-14.51	-60.72	-695.26	
Applied to removed ratio	0.72	0.68	0.65	0.22	
Total harvests for the crop					1 harvests

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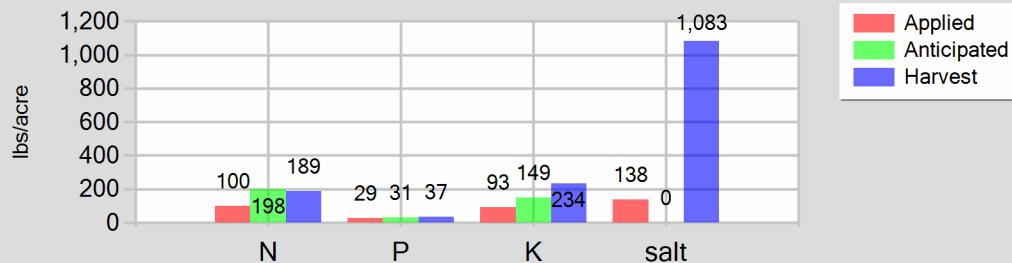
F-4-K - 11/04/2022: Wheat, silage, soft dough

Field name: F-4-K

Crop: Wheat, silage, soft dough

Plant date: 11/04/2022

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	72.50	28.73	93.02	136.80
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	20.77	0.00	0.00	1.56
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	100.28	28.73	93.02	138.36
Anticipated crop nutrient removal	198.00	30.60	149.40	0.00
Actual crop nutrient removal	189.40	36.51	233.90	1,082.78
Nutrient balance	-89.12	-7.78	-140.88	-944.42
Applied to removed ratio	0.53	0.79	0.40	0.13

Fresh water applied

13,500,000.00 *gallons*
497.16 *acre-inches*
6.90 *inches/acre*

Process wastewater applied

0.00 *gallons*
0.00 *acre-inches*
0.00 *inches/acre*

Total harvests for the crop

1 *harvests*

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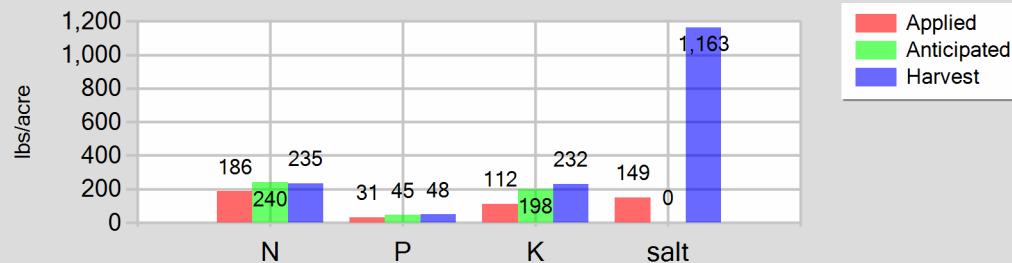
F-4-K - 06/08/2023: Corn, silage

Field name: F-4-K

Crop: Corn, silage

Plant date: 06/08/2023

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	52,164,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	1,921.02 acre-inches
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	26.68 inches/acre
Dry manure	135.48	31.45	112.09	80.64	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	43.27	0.00	0.00	67.97	
Atmospheric deposition	7.00	0.00	0.00	0.00	
Total nutrients applied	185.75	31.45	112.09	148.61	
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00	
Actual crop nutrient removal	235.26	48.16	231.55	1,163.32	
Nutrient balance	-49.51	-16.71	-119.46	-1,014.72	
Applied to removed ratio	0.79	0.65	0.48	0.13	
					Process wastewater applied
					0.00 gallons
					0.00 acre-inches
					0.00 inches/acre
					Total harvests for the crop
					1 harvests

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

NUTRIENT ANALYSES**A. MANURE ANALYSES****M43946-01 Valley Tech**

Sample and source description: M43946-01 Valley Tech

Sample date: 03/06/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 43.0 %

	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	5,300.00	2,100.00	6,800.00	0.01	0.01	0.01	0.01	0.01		1.00
DL	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.01		1.00

M67206-01 Valley Tech

Sample and source description: M67206-01 Valley Tech

Sample date: 09/28/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 66.4 %

	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	16,800.00	3,900.00	13,900.00	0.01	0.01	0.01	0.01	0.01		1.00
DL	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.01		1.00

B. PROCESS WASTEWATER ANALYSES**L42243-01 Valley Tech**

Sample and source description: L42243-01 Valley Tech

Sample date: 01/26/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 0.00

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	841.00	212.00	0.00	0.00	180.00	2,710.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	12.40	8,220
DL	10.00	2.00	2.00	2.00	0.20	0.50	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.10	10

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

L45332-01 Valley Tech

Sample and source description: L45332-01 Valley Tech

Sample date: 04/03/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 0.00

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	821.00	298.00	0.00	0.00	155.00	2,170.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	11.60	7,720
DL	10.00	2.00	2.00	2.00	0.20	0.50	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.10	10

L63592-01 Valley Tech

Sample and source description: L63592-01 Valley Tech

Sample date: 08/30/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 0.00

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	1,110.00	130.00	0.00	0.00	339.00	3,220.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	13.10	8,680
DL	10.00	2.00	2.00	2.00	0.20	0.50	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.10	10

L74160-01 Valley Tech

Sample and source description: L74160-01 Valley Tech

Sample date: 12/11/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 0.00

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	193.00	100.00	0.00	0.00	48.10	1,360.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	6.65	4,420
DL	10.00	2.00	2.00	2.00	0.20	0.50	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.10	10

C. FRESH WATER ANALYSES

Canal

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

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

Canal

23E0702-01 Dellavalle

Sample description: 23E0702-01 Dellavalle

Sample date: 05/08/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	0.30	0.00	0.30	0.01	0.01	0.01	0.01	0.01	0.01	0.01	67.00	54
DL	0.10	0.10	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	10.00	10

P-1K

23H1466-01 Dellavalle

Sample description: 23H1466-01 Dellavalle

Sample date: 08/16/2023 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	16.30	0.00	16.30	0.01	0.01	0.01	0.01	0.01	0.01	0.01	386.00	1
DL	0.10	0.10	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	10.00	1

P-2F

23H1466-05 Dellavalle

Sample description: 23H1466-05 Dellavalle

Sample date: 08/16/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	0.60	0.00	0.60	0.01	0.01	0.01	0.01	0.01	0.01	0.01	254.00	1
DL	0.10	0.10	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	10.00	1

P-2K

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

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

P-2K

23H1466-02 Dellavalle

Sample description: 23H1466-02 Dellavalle

Sample date: 08/16/2023 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	8.80	0.00	8.80	0.01	0.01	0.01	0.01	0.01	0.01	0.01	228.00	1
DL	0.10	0.10	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	10.00	1

P-3K

23H1466-03 Dellavalle

Sample description: 23H1466-03 Dellavalle

Sample date: 08/16/2023 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	7.30	0.00	7.30	0.01	0.01	0.01	0.01	0.01	0.01	0.01	227.00	1
DL	0.10	0.10	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	10.00	1

P-4F

23H1466-06 Dellavalle

Sample description: 23H1466-06 Dellavalle

Sample date: 08/16/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	0.60	0.00	0.60	0.01	0.01	0.01	0.01	0.01	0.01	0.01	253.00	1
DL	0.10	0.10	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	10.00	1

P-4K

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

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

P-4K

23H1466-04 Dellavalle

Sample description: 23H1466-04 Dellavalle

Sample date: 08/16/2023 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	7.20	0.00	7.20	0.01	0.01	0.01	0.01	0.01	0.01	0.01	227.00	1
DL	0.10	0.10	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	10.00	1

D. SOIL ANALYSES

No soil analyses entered.

E. PLANT TISSUE ANALYSES

F-1-K - 11/12/2022: Wheat, silage, soft dough

H49093-01 Valley Tech

Sample and source description: H49093-01 Valley Tech

Sample date: 05/04/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 65.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	14,800.00	30,000.00	11,500.00		10.90
DL	0.05	0.02	0.02		0.05

F-1-K - 06/07/2023: Corn, silage

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

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

F-1-K - 06/07/2023: Corn, silage

H65983-01 Valley Tech

Sample and source description: H65983-01 Valley Tech

Sample date: 09/18/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 66.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	13,000.00	2,400.00	11,600.00		4.85
DL	0.05	0.02	0.02		0.05

F-2-K - 11/07/2022: Wheat, silage, soft dough

H49093-02 Valley Tech

Sample and source description: H49093-02 Valley Tech

Sample date: 05/04/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 67.3 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	12,200.00	3,000.00	12,200.00		9.32
DL	0.05	0.02	0.02		0.05

F-2-K - 06/07/2023: Corn, silage

H65983-02 Valley Tech

Sample and source description: H65983-02 Valley Tech

Sample date: 09/18/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 66.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	10,900.00	2,500.00	11,100.00		5.08
DL	0.05	0.02	0.02		0.05

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

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

F-3-K - 11/04/2022: Wheat, silage, soft dough

H49093-03 Valley Tech

Sample and source description: H49093-03 Valley Tech

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

Moisture: 64.3 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	13,900.00	3,000.00	17,500.00		8.46
DL	0.05	0.02	0.02		0.05

F-3-K - 06/08/2023: Corn, silage

H65983-03 Valley Tech

Sample and source description: H65983-03 Valley Tech

Sample date: 09/19/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 62.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	11,800.00	2,500.00	9,400.00		4.84
DL	0.05	0.02	0.02		0.05

F-4-K - 11/04/2022: Wheat, silage, soft dough

H49093-04 Valley Tech

Sample and source description: H49093-04 Valley Tech

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

Moisture: 69.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	16,600.00	3,200.00	20,500.00		9.49
DL	0.05	0.02	0.02		0.05

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

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

F-4-K - 06/08/2023: Corn, silage

H65983-04 Valley Tech

Sample and source description: H65983-04 Valley Tech

Sample date: 09/19/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 66.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	12,700.00	2,600.00	12,500.00		6.28
DL	0.05	0.02	0.02		0.05

F. SUBSURFACE (TILE) DRAINAGE ANALYSES

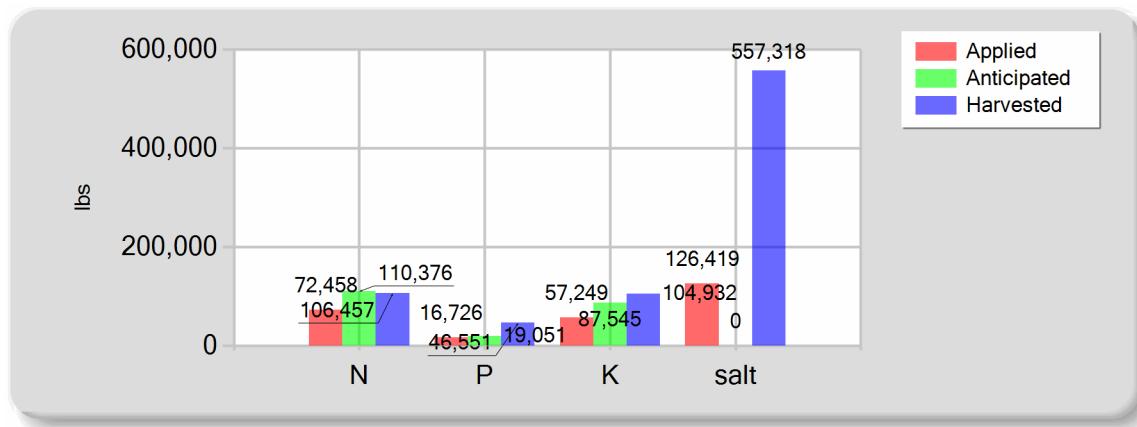
No subsurface (tile) drainage analyses entered.

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	59,118.37	16,725.84	57,249.39	58,818.72
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	9,811.64	0.00	0.00	67,600.06
Atmospheric deposition	3,528.00	0.00	0.00	0.00
Total nutrients applied	72,458.01	16,725.84	57,249.39	126,418.78
Anticipated crop nutrient removal	110,376.00	19,051.20	87,544.80	0.00
Actual crop nutrient removal	106,456.75	46,551.33	104,932.35	557,318.39
Nutrient balance	-33,998.74	-29,825.49	-47,682.96	-430,899.62
Applied to removed ratio	0.68	0.36	0.55	0.23

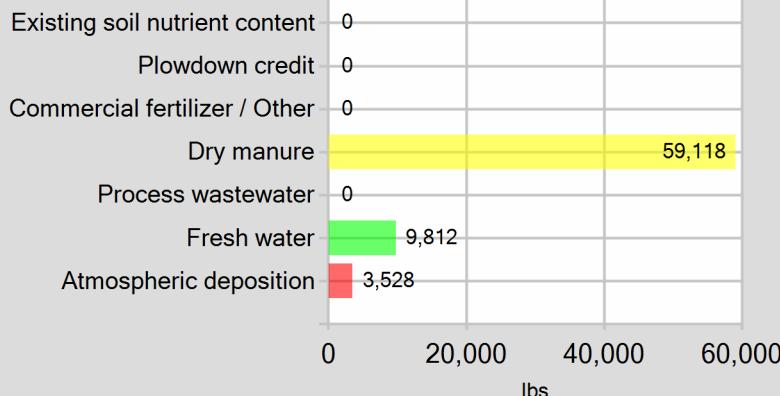
B. POUNDS OF NUTRIENT APPLIED VS. CROP REMOVAL

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

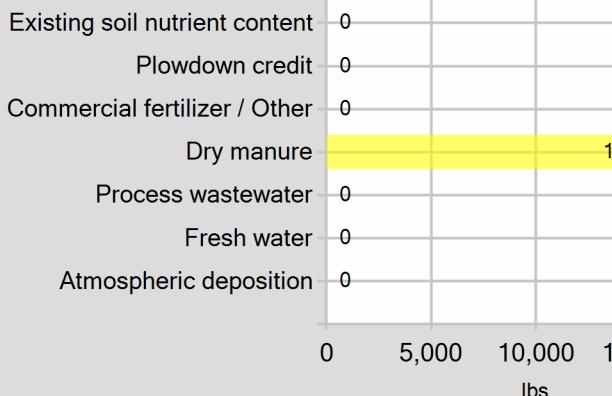
Reporting period 01/01/2023 to 12/31/2023.

C. POUNDS OF NUTRIENT APPLIED BY MATERIAL TYPE

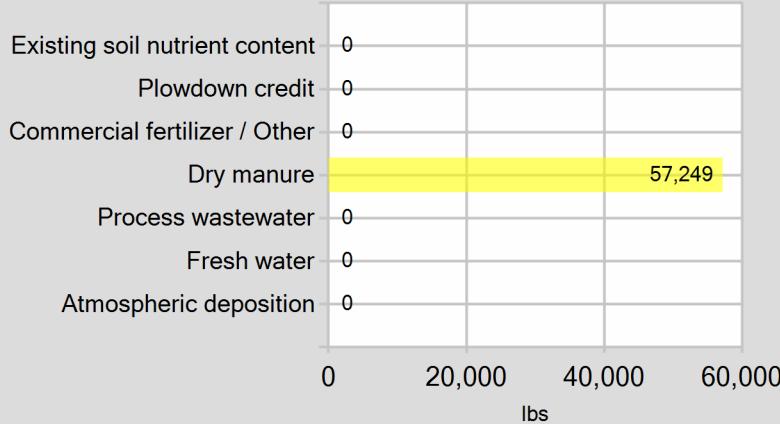
Pounds of nitrogen applied



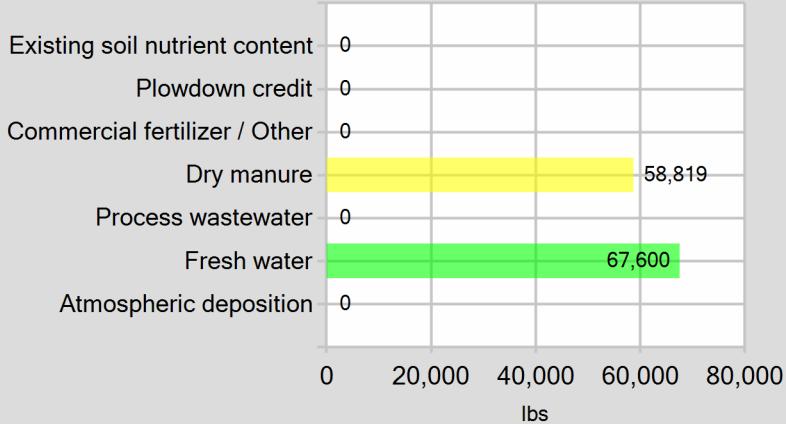
Pounds of phosphorus applied



Pounds of potassium applied



Pounds of salt applied



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

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

EXCEPTION REPORTING

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

The following is a summary of all manure and process wastewater discharges from the production area to surface water or to land areas (land application areas or otherwise) when not in accordance with the facility's Nutrient Management Plan.

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

B. STORM WATER DISCHARGES

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

No stormwater discharges occurred during the reporting period.

C. LAND APPLICATION AREA TO SURFACE WATER DISCHARGES

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

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

NUTRIENT MANAGEMENT PLAN AND EXPORT AGREEMENT STATEMENTS

A. NUTRIENT MANAGEMENT PLAN STATEMENTS

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

Was the facility's NMP developed by a certified nutrient management planner (specialist) as specified in Attachment C of the General Order? No

Was the facility's NMP approved by a certified nutrient management planner (specialist) as specified in Attachment C of the General Order? No

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

- 1.) Field #'s F1 through F6 and 5K & 6K are all in trees these fields are potential future land application areas, irrigation events are available upon request.
- 2.) This facility has support stock only and wishes to stay under the RWQCB for future rentals .
- 3.) Please note that values of "1" was inputted for "Average Milk Production" and "Manure Excreted" to simply satisfy the minimum requirements of this report server. The correct values / totals for each of these is "0."

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

SIGNATURE OF OPERATOR OF FACILITY

Fernando OR Joe Mattos

SAME AS OWNER

PRINT OR TYPE NAME

PRINT OR TYPE NAME

DATE

DATE

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

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

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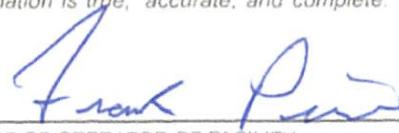


SIGNATURE OF OWNER OF FACILITY

Fernando OR Joe Mattos

PRINT OR TYPE NAME

3/13/24
DATE



SIGNATURE OF OPERATOR OF FACILITY

SAME AS OWNER

PRINT OR TYPE NAME

x 3-15-24
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.



Roxey J Avila
740 S. Kazarian St.
Tulare, CA 93274

Account# 00-0024349
Account Manager: Ben Nydam
Submitted By: Roxey
Ranch: Mattos Bros. #3

Received: 01/24/2023 7:45
Reported: 02/01/2023 08:21

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23A0602-01	D1 & 2 Same Line	Drinking Water	Justin / Josh		01/23/2023 9:30

Default Cooler Temperature on Receipt °C: 20.3
Containers Intact
COC/Labels Agree
Received On Ice

Notes and Definitions

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

Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

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



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740 S. Kazarian St.
Tulare, CA 93274

Account# 00-0024349
Account Manager: Ben Nydam
Submitted By: Roxey
Ranch: Mattos Bros. #3

Received: 01/24/2023 7:45
Reported: 02/01/2023 08:21

Sample Results

Sample: D1 & 2 Same Line
23A0602-01 (Water)

Sampled: 1/23/2023 9:30
Sampled By: Justin / Josh

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO3	92.1	mg/L	10.0	1		01/24/23 12:51	SM 2320 B		BEA0442
Calcium	25.7	mg/L	0.1	1		01/25/23 11:17	EPA 200.7		BEA0395
Chloride	16.8	mg/L	0.2	1	250	01/24/23 21:00	EPA 300.0		BEA0445
Carbonate as CaCO3	ND	mg/L	1	1		01/24/23 12:51	SM 2320 B		BEA0442
Electrical Conductivity	0.42	mmhos/cm	0.01	1		01/24/23 12:51	SM 2510 B		BEA0442
Electrical Conductivity umhos	415	umhos/cm	10.0	1		01/24/23 12:51	SM 2510 B		BEA0442
Bicarbonate as CaCO3	92.1	mg/L	5.00	1		01/24/23 12:51	SM 2320 B		BEA0442
Potassium	ND	mg/L	0.500	1		01/25/23 11:17	EPA 200.7		BEA0395
Magnesium	0.3	mg/L	0.1	1		01/25/23 11:17	EPA 200.7		BEA0395
Sodium	59	mg/L	1	1		01/25/23 11:17	EPA 200.7		BEA0395
Ammonia (as N)	ND	mg/L	0.00	1		01/23/23 09:30	Field		BEA0435
Nitrate Nitrogen as NO3N	18.9	mg/L	0.1	1	10	01/24/23 21:00	EPA 300.0		BEA0445
Hydroxide as CaCO3	ND	mg/L	1.00	1		01/24/23 12:51	SM 2320 B		BEA0442
pH	7.6	units	1.0	1		01/24/23 12:51	SM 4500-H+	H	BEA0442
Sulfate (SO4)	14.2	mg/L	0.5	1	250	01/24/23 21:00	EPA 300.0		BEA0445
Total Filterable Solids (TDS)	260	mg/L	10.0	1		01/31/23 09:49	SM 2540 C		BEA0507

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Roxey J Avila
740 S. Kazarian St.
Tulare, CA 93274

Account# 00-0024349
Account Manager: Ben Nydam
Submitted By: Roxey
Ranch: Mattos Bros. #3

Received: 01/24/2023 7:45
Reported: 02/01/2023 08:21

Quality Control

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEA0395									
Blank (BEA0395-BLK1)									
Prepared: 1/24/2023 Analyzed: 1/25/2023									
Calcium	ND	0.1	mg/L						
Sodium	ND	1	mg/L						
Potassium	ND	0.500	mg/L						
Magnesium	ND	0.1	mg/L						
Blank (BEA0395-BLK2)									
Prepared: 1/24/2023 Analyzed: 1/25/2023									
Calcium	ND	0.1	mg/L						
Sodium	ND	1	mg/L						
Potassium	ND	0.500	mg/L						
Magnesium	ND	0.1	mg/L						
LCS (BEA0395-BS1)									
Prepared: 1/24/2023 Analyzed: 1/25/2023									
Sodium	39	1	mg/L	35.71	109	90-110			
Potassium	38.3	0.500	mg/L	35.71	107	90-110			
Calcium	38.9	0.1	mg/L	35.71	109	90-110			
Magnesium	39.4	0.1	mg/L	35.71	110	90-110			
LCS (BEA0395-BS2)									
Prepared: 1/24/2023 Analyzed: 1/25/2023									
Calcium	38.2	0.1	mg/L	35.71	107	90-110			
Potassium	37.7	0.500	mg/L	35.71	106	90-110			
Sodium	39	1	mg/L	35.71	108	90-110			
Magnesium	38.9	0.1	mg/L	35.71	109	90-110			
Duplicate (BEA0395-DUP1)									
Source: 23A0601-01									
Prepared: 1/24/2023 Analyzed: 1/25/2023									
Sodium	48	1	mg/L	47			1.87	15	
Calcium	13.1	0.1	mg/L	12.8			2.39	15	
Potassium	ND	0.500	mg/L	ND				15	
Magnesium	0.1	0.1	mg/L	0.1			1.09	15	
Matrix Spike (BEA0395-MS1)									
Source: 23A0601-01									
Prepared: 1/24/2023 Analyzed: 1/25/2023									
Potassium	38.6	0.500	mg/L	35.71	ND	108	90-110		
Calcium	52.7	0.1	mg/L	35.71	12.8	112	90-110		
Sodium	88	1	mg/L	35.71	47	114	90-110		
Magnesium	39.4	0.1	mg/L	35.71	0.1	110	90-110		
Matrix Spike (BEA0395-MS2)									
Source: 23A0602-01									
Prepared: 1/24/2023 Analyzed: 1/25/2023									
Sodium	99	1	mg/L	35.71	59	111	90-110		
Calcium	64.9	0.1	mg/L	35.71	25.7	110	90-110		
Potassium	38.2	0.500	mg/L	35.71	ND	107	90-110		
Magnesium	38.8	0.1	mg/L	35.71	0.3	108	90-110		
Reference (BEA0395-SRM2)									
Prepared: 1/24/2023 Analyzed: 1/25/2023									
Sodium	94		mg/L	91.50		103	90-110		

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Roxey J Avila
740 S. Kazarian St.
Tulare, CA 93274

Account# 00-0024349
Account Manager: Ben Nydam
Submitted By: Roxey
Ranch: Mattos Bros. #3

Received: 01/24/2023 7:45
Reported: 02/01/2023 08:21

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEA0395 (Continued)									
Reference (BEA0395-SRM2)									
Potassium	22.3		mg/L	21.90		102	90-110		
Reference (BEA0395-SRM3)									
Calcium	59.5		mg/L	54.60		109	90-110		
Magnesium	18.0		mg/L	17.00		106	90-110		

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Received: 01/24/2023 7:45
Reported: 02/01/2023 08:21

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEA0442									
Blank (BEA0442-BLK1)									
Alkalinity as CaCO3	ND	10.0	mg/L						
Carbonate as CaCO3	ND	1	mg/L						
Electrical Conductivity	ND	0.01	mmhos/cm						
Hydroxide as CaCO3	ND	1.00	mg/L						
pH	5.4	1.0	units						
Bicarbonate as CaCO3	ND	5.00	mg/L						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Blank (BEA0442-BLK3)									
Electrical Conductivity	ND	0.01	mmhos/cm						
Alkalinity as CaCO3	ND	10.0	mg/L						
Carbonate as CaCO3	ND	1	mg/L						
Hydroxide as CaCO3	ND	1.00	mg/L						
pH	5.4	1.0	units						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Bicarbonate as CaCO3	ND	5.00	mg/L						
Duplicate (BEA0442-DUP2)									
		Source: 23A0602-01							
Hydroxide as CaCO3	ND	1.00	mg/L		ND				10
pH	7.6	1.0	units		7.6		0.131		10
Carbonate as CaCO3	ND	1	mg/L		ND				10
Electrical Conductivity	0.42	0.01	mmhos/cm		0.42		0.120		10
Alkalinity as CaCO3	100	10.0	mg/L		92.1		8.45		10
Electrical Conductivity umhos	416	10.0	umhos/cm		415		0.120		10
Reference (BEA0442-SRM1)									
Alkalinity as CaCO3	41.0		mg/L	40.60		101	90-110		
Electrical Conductivity	559		umhos/cm	538.0		104	90-110		
Reference (BEA0442-SRM3)									
Electrical Conductivity	558		umhos/cm	538.0		104	90-110		
Alkalinity as CaCO3	41.7		mg/L	40.60		103	90-110		
Reference (BEA0442-SRM4)									
pH	4.0		units	4.000		100	97.5-102.5		
Reference (BEA0442-SRM6)									
pH	4.0		units	4.000		100	97.5-102.5		
Reference (BEA0442-SRM7)									
pH	7.7		units	7.620		101	68766-101.3:		

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Received: 01/24/2023 7:45
Reported: 02/01/2023 08:21

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEA0445									
Blank (BEA0445-BLK1)									
Chloride ND 0.2 mg/L Prepared & Analyzed: 1/24/2023									
Nitrate Nitrogen as NO3N ND 0.1 mg/L									
Sulfate (SO4) ND 0.5 mg/L									
Blank (BEA0445-BLK2)									
Chloride ND 0.2 mg/L Prepared & Analyzed: 1/24/2023									
Nitrate Nitrogen as NO3N ND 0.1 mg/L									
Sulfate (SO4) ND 0.5 mg/L									
Blank (BEA0445-BLK3)									
Chloride ND 0.2 mg/L Prepared & Analyzed: 1/25/2023									
Nitrate Nitrogen as NO3N ND 0.1 mg/L									
Sulfate (SO4) ND 0.5 mg/L									
LCS (BEA0445-BS1)									
Chloride 5.0 0.2 mg/L Prepared & Analyzed: 1/24/2023									
Nitrate Nitrogen as NO3N 5.2 0.1 mg/L									
Sulfate (SO4) 4.7 0.5 mg/L									
LCS (BEA0445-BS2)									
Chloride 5.0 0.2 mg/L Prepared & Analyzed: 1/25/2023									
Nitrate Nitrogen as NO3N 5.1 0.1 mg/L									
Sulfate (SO4) 4.6 0.5 mg/L									
Duplicate (BEA0445-DUP1)									
Source: 23A0598-02 Prepared & Analyzed: 1/24/2023									
Chloride 68.2 0.2 mg/L									
Nitrate Nitrogen as NO3N 0.4 0.1 mg/L									
Sulfate (SO4) 70.0 0.5 mg/L									
Duplicate (BEA0445-DUP2)									
Source: 23A0570-01 Prepared & Analyzed: 1/25/2023									
Chloride 54.1 0.2 mg/L									
Nitrate Nitrogen as NO3N 0.1 0.1 mg/L									
Sulfate (SO4) 39.6 0.5 mg/L									
Matrix Spike (BEA0445-MS1)									
Source: 23A0598-02 Prepared & Analyzed: 1/24/2023									
Chloride 73.9 0.2 mg/L									
Nitrate Nitrogen as NO3N 5.3 0.1 mg/L									
Sulfate (SO4) 77.3 0.5 mg/L									
Matrix Spike (BEA0445-MS2)									
Source: 23A0570-01 Prepared & Analyzed: 1/25/2023									
Chloride 57.3 0.2 mg/L									
Nitrate Nitrogen as NO3N 4.9 0.1 mg/L									
Sulfate (SO4) 44.1 0.5 mg/L									

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Ranch: Mattos Bros. #3

Received: 01/24/2023 7:45
Reported: 02/01/2023 08:21

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEA0445 (Continued)									
Reference (BEA0445-SRM1)									
Chloride 13.3 mg/L 12.51 106 90-110									
Nitrate Nitrogen as NO ₃ N 10.6 mg/L 10.00 106 90-110									
Sulfate (SO ₄) 10.5 mg/L 10.01 105 90-110									
Reference (BEA0445-SRM2)									
Chloride 13.4 mg/L 12.51 107 90-110									
Nitrate Nitrogen as NO ₃ N 10.6 mg/L 10.00 106 90-110									
Sulfate (SO ₄) 10.6 mg/L 10.01 106 90-110									
Reference (BEA0445-SRM3)									
Chloride 13.4 mg/L 12.51 107 90-110									
Nitrate Nitrogen as NO ₃ N 10.7 mg/L 10.00 107 90-110									
Sulfate (SO ₄) 10.6 mg/L 10.01 106 90-110									

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Ranch: Mattos Bros. #3

Received: 01/24/2023 7:45
Reported: 02/01/2023 08:21

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEA0507									
Blank (BEA0507-BLK1)									
Total Filterable Solids (TDS)	ND	10.0	mg/L		Prepared: 1/26/2023 Analyzed: 1/31/2023				
Duplicate (BEA0507-DUP1)		Source: 23A0667-02			Prepared: 1/26/2023 Analyzed: 1/31/2023				
Total Filterable Solids (TDS)	643	10.0	mg/L	650			1.03	5	
Duplicate (BEA0507-DUP2)		Source: 23A0680-01			Prepared: 1/26/2023 Analyzed: 1/31/2023				
Total Filterable Solids (TDS)	3400	10.0	mg/L	3530			3.85	5	
Reference (BEA0507-SRM1)					Prepared: 1/26/2023 Analyzed: 1/31/2023				
Total Filterable Solids (TDS)	330		mg/L	325.0		102	90-110		

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Shipping Information: Shipped In Picked-Up Walk In DLI Sampler Other

Container: Ice Chest Box None

Refrigerant: Wet Ice Blue Ice None

Samples Preserved with HNO₃ or H₂SO₄ were: Received Preserved Preserved Upon Receipt at Laboratory

Type of Container(s) Received

Sample Number

	1	2	3	4	5	6	7	8	9	10
--	---	---	---	---	---	---	---	---	---	----

Sample Containers for Internal (DLI) Use

(Containers that go into the Lab)

Plastics	100 mL sterile plastic Na ₂ S ₂ O ₃ (Green)									
	250 mL unpreserved (White) Plastic									
	250 mL HNO ₃ (Red) Plastic									
	pH Value									
	250 mL H ₂ SO ₄ (Yellow) Plastic									
	pH Value									
	500 mL unpreserved (White) Plastic									
	1 L unpreserved (White) Plastic									
Special	1 L unpreserved (BOD) (Purple) Plastic									
	500mL unpreserved (White) Glass									
	PO4-P Kit									

Sample Containers for Subcontracted ("Send Out") Analyses

(Containers that go in the Subcontract ("Send Out") Refrigerator)

Plastics	100 mL sterile plastic Na ₂ S ₂ O ₃ (Green)									
	250 mL unpreserved (White) Plastic									
	250 mL HNO ₃ (Red) Plastic									
	250 mL H ₂ SO ₄ (Yellow) Plastic									
	500 mL HNO ₃ (Red)									
	1 L unpreserved (White) Plastic									
	1 L unpreserved (BOD) (Purple) Plastic									
	1 L HNO ₃ (Red)									

VOA Vials	40 mL VOA, Na ₂ S ₂ O ₃ + MCAA (EPA531)									
	40 mL VOA, Na ₂ S ₂ O ₃ (EPA547)									
	40mL AG VOA unpreserved (White) (Set of 3)									
	40 mL AG VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)									
	40mL VOA, H ₃ PO ₄ (Set of 3)									
	40 mL VOA, HCl (Blue) (Set of 3)									
	40 mL VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)									

Glass	250 mL AG unpreserved (White)									
	250 mL AG H ₂ SO ₄ (Yellow)									
	250 mL AG Na ₂ S ₂ O ₃ (Green)									
	250 mL AG Na ₂ S ₂ O ₃ + MCAA									
	500 mL glass unpreserved (White)									
	500 mL AG HCl (Blue)									
	1 L AG unpreserved (White)									
	1 L AG H ₂ SO ₄ (Yellow)									

Special	1 L AG Na ₂ S ₂ O ₃ (Green)									
	1 L AG HCl (Blue)									
	Cr ⁶⁺ - 50mL Plastic w/Borate/HCO ₃ /CO ₃									
	Cyanide - 500 mL NaOH									
	Asbestos - 1L P wrapped in foil (Set of 2)									
	Sulfide - 1 L AG or P NaOH + ZnAc									
	Chlorite/Bromate - 250 mL AG with EDA									
	HAA5 - 250mL AG Ammonium Chlorite									

DO KIT

Other:

Other:



Shipping Information: Shipped In Picked-Up Walk In DLI Sampler Other

Container: Ice Chest Box None

Refrigerant: Wet Ice Blue Ice None

Samples Preserved with HNO₃ or H₂SO₄ were: Received Preserved Preserved Upon Receipt at Laboratory

Type of Container(s) Received

Sample Number

1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	----

Sample Containers for Internal (DLI) Use

(Containers that go into the Lab)

Plastics

100 mL sterile plastic Na₂S₂O₃ (Green)

250 mL unpreserved (White) Plastic

250 mL HNO₃ (Red) Plastic

* pH Value

250 mL H₂SO₄ (Yellow) Plastic

* pH Value

500 mL unpreserved (White) Plastic

1 L unpreserved (White) Plastic

1 L unpreserved (BOD) (Purple) Plastic

Special

500mL unpreserved (White) Glass

PO4-P Kit

Other:

Sample Containers for Subcontracted ("Send Out") Analyses

(Containers that go in the Subcontract ("Send Out") Refrigerator)

Plastics

100 mL sterile plastic Na₂S₂O₃ (Green)

250 mL unpreserved (White) Plastic

250 mL HNO₃ (Red) Plastic

250 mL H₂SO₄ (Yellow) Plastic

500 mL HNO₃ (Red)

1 L unpreserved (White) Plastic

1 L unpreserved (BOD) (Purple) Plastic

1 L HNO₃ (Red)

VOA Vials

40 mL VOA, Na₂S₂O₃ + MCAA (EPA531)

40 mL VOA, Na₂S₂O₃ (EPA547)

40mL AG VOA unpreserved (White) (Set of 3)

40 mL AG VOA, Na₂S₂O₃ (Green) (Set of 3)

40mL VOA, H₃PO₄ (Set of 3)

40 mL VOA, HCl (Blue) (Set of 3)

40 mL VOA, Na₂S₂O₃ (Green) (Set of 3)

Glass

250 mL AG unpreserved (White)

250 mL AG H₂SO₄ (Yellow)

250 mL AG Na₂S₂O₃ (Green)

250 mL AG Na₂S₂O₃ + MCAA

500 mL glass unpreserved (White)

500 mL AG HCl (Blue)

1 L AG unpreserved (White)

1 L AG H₂SO₄ (Yellow)

1 L AG Na₂S₂O₃ (Green)

1 L AG HCl (Blue)

Special

Cr⁶⁺ - 50mL Plastic w/Borate/HCO₃/CO₃

Cyanide - 500 mL NaOH

Asbestos - 1 L P wrapped in foil (Set of 2)

Sulfide - 1 L AG or P NaOH + ZnAc

Chlorite/Bromate - 250 mL AG with EDA

HAA5 - 250mL AG Ammonium Chlorite

DO KIT

Other:

Other:



Roxey J Avila
740 S. Kazarian St.
Tulare, CA 93274

Account# 00-0024349
Account Manager: Ben Nydam
Submitted By: Roxey
Ranch: Mattos Bro #3

Received: 08/16/2023 7:00
Reported: 08/18/2023 10:13

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23H1466-01	P-1K	Ag Water	Joe Mattos		08/15/2023 11:15
23H1466-02	P-2K	Ag Water	Joe Mattos		08/15/2023 11:18
23H1466-03	P-3K	Ag Water	Joe Mattos		08/15/2023 11:00
23H1466-04	P-4K	Ag Water	Joe Mattos		08/15/2023 11:20
23H1466-05	P-2F	Ag Water	Joe Mattos		08/15/2023 11:18
23H1466-06	P-4F	Ag Water	Joe Mattos		08/15/2023 11:15

Default Cooler Temperature on Receipt °C: 20.9
Containers Intact
COC/Labels Agree
Received On Ice

Notes and Definitions

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

Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

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Account# 00-0024349
Account Manager: Ben Nydam
Submitted By: Roxey
Ranch: Mattos Bro #3

Received: 08/16/2023 7:00
Reported: 08/18/2023 10:13

Sample Results

Sample: P-1K
23H1466-01 (Water)

Sampled: 8/15/2023 11:15
Sampled By: Joe Mattos

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	0.39	mmhos/cm	0.01	1		08/16/23 12:40	SM 2510 B		BEH0790
Electrical Conductivity umhos	386	umhos/cm	10.0	1		08/16/23 12:40	SM 2510 B		BEH0790
Ammonia (as N)	ND	mg/L	0.00	1		08/15/23 11:15	Field		BEH0791
Nitrate Nitrogen as NO3N	16.3	mg/L	0.1	1	10	08/16/23 20:58	EPA 300.0		BEH0798
pH	8.2	units	1.0	1		08/16/23 12:40	SM 4500-H+	H	BEH0790
Temperature	25.0	°C	0.0	1		08/16/23 12:40	SM 2510 B		BEH0790

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Submitted By: Roxey
Ranch: Mattos Bro #3

Received: 08/16/2023 7:00
Reported: 08/18/2023 10:13

Sample Results
(Continued)

Sample: P-2K
23H1466-02 (Water)

Sampled: 8/15/2023 11:18

Sampled By: Joe Mattos

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	0.23	mmhos/cm	0.01	1		08/16/23 12:41	SM 2510 B		BEH0790
Electrical Conductivity umhos	228	umhos/cm	10.0	1		08/16/23 12:41	SM 2510 B		BEH0790
Ammonia (as N)	ND	mg/L	0.00	1		08/15/23 11:18	Field		BEH0791
Nitrate Nitrogen as NO3N	8.8	mg/L	0.1	1	10	08/16/23 21:17	EPA 300.0		BEH0798
pH	8.7	units	1.0	1		08/16/23 12:41	SM 4500-H+	H	BEH0790
Temperature	25.0	°C	0.0	1		08/16/23 12:41	SM 2510 B		BEH0790

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Account# 00-0024349
Account Manager: Ben Nydam
Submitted By: Roxey
Ranch: Mattos Bro #3

Received: 08/16/2023 7:00
Reported: 08/18/2023 10:13

Sample Results
(Continued)

Sample: P-3K
23H1466-03 (Water)

Sampled: 8/15/2023 11:00

Sampled By: Joe Mattos

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	0.23	mmhos/cm	0.01	1		08/16/23 12:42	SM 2510 B		BEH0790
Electrical Conductivity umhos	227	umhos/cm	10.0	1		08/16/23 12:42	SM 2510 B		BEH0790
Ammonia (as N)	ND	mg/L	0.00	1		08/15/23 11:00	Field		BEH0791
Nitrate Nitrogen as NO3N	7.3	mg/L	0.1	1	10	08/16/23 23:57	EPA 300.0		BEH0798
pH	8.5	units	1.0	1		08/16/23 12:42	SM 4500-H+	H	BEH0790
Temperature	25.0	°C	0.0	1		08/16/23 12:42	SM 2510 B		BEH0790

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Submitted By: Roxey
Ranch: Mattos Bro #3

Received: 08/16/2023 7:00
Reported: 08/18/2023 10:13

Sample Results
(Continued)

Sample: P-4K
23H1466-04 (Water)

Sampled: 8/15/2023 11:20

Sampled By: Joe Mattos

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	0.23	mmhos/cm	0.01	1		08/16/23 12:43	SM 2510 B		BEH0790
Electrical Conductivity umhos	227	umhos/cm	10.0	1		08/16/23 12:43	SM 2510 B		BEH0790
Ammonia (as N)	ND	mg/L	0.00	1		08/15/23 11:20	Field		BEH0791
Nitrate Nitrogen as NO3N	7.2	mg/L	0.1	1	10	08/17/23 00:17	EPA 300.0		BEH0798
pH	8.5	units	1.0	1		08/16/23 12:43	SM 4500-H+	H	BEH0790
Temperature	25.0	°C	0.0	1		08/16/23 12:43	SM 2510 B		BEH0790

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Account# 00-0024349
Account Manager: Ben Nydam
Submitted By: Roxey
Ranch: Mattos Bro #3

Received: 08/16/2023 7:00
Reported: 08/18/2023 10:13

Sample Results
(Continued)

Sample: P-2F
23H1466-05 (Water)

Sampled: 8/15/2023 11:18

Sampled By: Joe Mattos

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	0.25	mmhos/cm	0.01	1		08/16/23 12:45	SM 2510 B		BEH0790
Electrical Conductivity umhos	254	umhos/cm	10.0	1		08/16/23 12:45	SM 2510 B		BEH0790
Ammonia (as N)	ND	mg/L	0.00	1		08/15/23 11:18	Field		BEH0791
Nitrate Nitrogen as NO3N	0.6	mg/L	0.1	1	10	08/17/23 00:37	EPA 300.0		BEH0798
pH	8.2	units	1.0	1		08/16/23 12:45	SM 4500-H+	H	BEH0790
Temperature	25.0	°C	0.0	1		08/16/23 12:45	SM 2510 B		BEH0790

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Roxey J Avila
740 S. Kazarian St.
Tulare, CA 93274

Account# 00-0024349
Account Manager: Ben Nydam
Submitted By: Roxey
Ranch: Mattos Bro #3

Received: 08/16/2023 7:00
Reported: 08/18/2023 10:13

Sample Results
(Continued)

Sample: P-4F
23H1466-06 (Water)

Sampled: 8/15/2023 11:15

Sampled By: Joe Mattos

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	0.25	mmhos/cm	0.01	1		08/16/23 12:46	SM 2510 B		BEH0790
Electrical Conductivity umhos	253	umhos/cm	10.0	1		08/16/23 12:46	SM 2510 B		BEH0790
Ammonia (as N)	ND	mg/L	0.00	1		08/15/23 11:15	Field		BEH0791
Nitrate Nitrogen as NO3N	0.6	mg/L	0.1	1	10	08/17/23 00:57	EPA 300.0		BEH0798
pH	8.2	units	1.0	1		08/16/23 12:46	SM 4500-H+	H	BEH0790
Temperature	25.0	°C	0.0	1		08/16/23 12:46	SM 2510 B		BEH0790

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Roxey J Avila
740 S. Kazarian St.
Tulare, CA 93274

Account# 00-0024349
Account Manager: Ben Nydam
Submitted By: Roxey
Ranch: Mattos Bro #3

Received: 08/16/2023 7:00
Reported: 08/18/2023 10:13

Quality Control

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEH0790									
Blank (BEH0790-BLK1)									
Electrical Conductivity	ND	0.01	mmhos/cm						
pH	5.4	1.0	units						
Temperature	25.0	0.0	°C						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Blank (BEH0790-BLK2)									
Electrical Conductivity	ND	0.01	mmhos/cm						
pH	7.2	1.0	units						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Temperature	25.0	0.0	°C						
Blank (BEH0790-BLK3)									
Electrical Conductivity	ND	0.01	mmhos/cm						
pH	7.1	1.0	units						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Temperature	25.0	0.0	°C						
Duplicate (BEH0790-DUP1)									
		Source: 23H1462-03							
pH	7.4	1.0	units		7.4			0.945	10
Electrical Conductivity	1.89	0.01	mmhos/cm		1.90			0.380	10
Electrical Conductivity umhos	1890	10.0	umhos/cm		1900			0.380	10
Duplicate (BEH0790-DUP2)									
		Source: 23H1465-05							
pH	7.5	1.0	units		7.4			1.34	10
Electrical Conductivity	1.34	0.01	mmhos/cm		1.35			0.757	10
Electrical Conductivity umhos	1340	10.0	umhos/cm		1350			0.757	10
Reference (BEH0790-SRM1)									
Electrical Conductivity	513		umhos/cm		538.0	95.4	90-110		
Reference (BEH0790-SRM2)									
pH	5.8		units		5.820	101	28178-101.7		
Reference (BEH0790-SRM3)									
Electrical Conductivity	961		umhos/cm		1000	96.1	90-110		
Electrical Conductivity umhos	961		umhos/cm		1000	96.1	90-110		
Reference (BEH0790-SRM4)									
Electrical Conductivity	963		umhos/cm		1000	96.3	90-110		
Electrical Conductivity umhos	963		umhos/cm		1000	96.3	90-110		
Reference (BEH0790-SRM5)									
Electrical Conductivity	957		umhos/cm		1000	95.7	90-110		

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Account# 00-0024349
Account Manager: Ben Nydam
Submitted By: Roxey
Ranch: Mattos Bro #3

Received: 08/16/2023 7:00
Reported: 08/18/2023 10:13

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEH0790 (Continued)									
Reference (BEH0790-SRM5)									
Electrical Conductivity umhos	957		umhos/cm	1000	95.7	90-110			
Reference (BEH0790-SRM6)									
pH	4.0		units	4.000	101	97.5-102.5			
Reference (BEH0790-SRM7)									
pH	4.0		units	4.000	101	97.5-102.5			
Reference (BEH0790-SRM8)									
pH	4.0		units	4.000	101	97.5-102.5			

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Ranch: Mattos Bro #3

Received: 08/16/2023 7:00
Reported: 08/18/2023 10:13

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEH0798									
Blank (BEH0798-BLK1)									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared & Analyzed: 8/16/2023				
Blank (BEH0798-BLK2)									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared & Analyzed: 8/16/2023				
Blank (BEH0798-BLK3)									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared & Analyzed: 8/17/2023				
Blank (BEH0798-BLK4)									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared & Analyzed: 8/17/2023				
LCS (BEH0798-BS1)									
Nitrate Nitrogen as NO3N	5.1	0.1	mg/L	5.000	102	90-110			
LCS (BEH0798-BS2)									
Nitrate Nitrogen as NO3N	5.1	0.1	mg/L	5.000	102	90-110			
LCS (BEH0798-BS3)									
Nitrate Nitrogen as NO3N	5.1	0.1	mg/L	5.000	103	90-110			
Duplicate (BEH0798-DUP1)									
Nitrate Nitrogen as NO3N	1.1	0.1	mg/L	1.1			0.524	10	
Duplicate (BEH0798-DUP2)									
Nitrate Nitrogen as NO3N	7.3	0.1	mg/L	7.3			0.807	10	
Duplicate (BEH0798-DUP3)									
Nitrate Nitrogen as NO3N	0.2	0.1	mg/L	0.2			0.813	10	
Matrix Spike (BEH0798-MS1)									
Nitrate Nitrogen as NO3N	6.2	0.1	mg/L	5.000	1.1	101	90-110		
Matrix Spike (BEH0798-MS2)									
Nitrate Nitrogen as NO3N	12.3	0.1	mg/L	5.000	7.3	99.6	90-110		
Matrix Spike (BEH0798-MS3)									
Nitrate Nitrogen as NO3N	5.2	0.1	mg/L	5.000	0.2	98.7	90-110		
Reference (BEH0798-SRM1)									
Nitrate Nitrogen as NO3N	10.2		mg/L	10.00	102	90-110			
Reference (BEH0798-SRM2)									
Nitrate Nitrogen as NO3N	10.1		mg/L	10.00	101	90-110			

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Roxey J Avila
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Tulare, CA 93274

Account# 00-0024349
Account Manager: Ben Nydam
Submitted By: Roxey
Ranch: Mattos Bro #3

Received: 08/16/2023 7:00
Reported: 08/18/2023 10:13

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
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Batch: BEH0798 (Continued)

Reference (BEH0798-SRM3)		Prepared & Analyzed: 8/17/2023				
Nitrate Nitrogen as NO3N	10.2		mg/L	10.00	102	90-110
Reference (BEH0798-SRM4)		Prepared & Analyzed: 8/17/2023				
Nitrate Nitrogen as NO3N	10.2		mg/L	10.00	102	90-110

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08/16/23 07:00

23H1466

WATER WORK REQUEST

Bill To: 24349 Acct No. 8

Purchase Order No. _____ Results Needed By _____

Client Roxey J Avila
 Address 740 S. Kazarian Street
 City, State, Zip Tulare, CA 93274
 Phone (559) 786-4683 Fax _____
 Cell/Email goroxey@yahoo.com

Copy to _____

Requested by RoxeyRanch MATTOS BROS. #3Date sampled 8-15-23Sampled by Joe Mattos

QA/QC Document Copy of Chain RWQCB

DESCRIPTION OF SAMPLES

1.	<u>P-1K</u>	Sampled From:
2.	<u>P-2K</u>	Sampled From:
3.	<u>P-3K</u>	Sampled From:
4.	<u>P-4K</u>	Sampled From:
5.	<u>P-2F</u>	Sampled From:
6.	<u>P-3-4F</u>	Sampled From:
7.		Sampled From:
8.		Sampled From:
9.		IR Thermometer SN: 221511274 Correction Factor: 0°C Calibration Due: 9/26/2023
10.		Location: Hanford

DELLAVALLE LABORATORY, INC.

1910 W. McKinley Avenue, Suite 110 • Fresno, CA 93728
 www.dellavallelab.com 559 233-6429 • 800 228-9896 • Fax 559 268-8174

No. of Samples	<u>6</u>	No. Bottles	<u>6</u>
Water Type:	<input type="checkbox"/> Drinking <input type="checkbox"/> Wastewater		
<input checked="" type="checkbox"/> Ag Water	<input type="checkbox"/> Ground Water	<input type="checkbox"/> Mon. Well	
<input type="checkbox"/> Supply Water	<input type="checkbox"/> Other		

Analysis and Bottles Required: (Please Indicate Analysis)

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

() Other

Date Sampled	Time Sampled	Field NH4-N (mg/L)	Received Temp °C
<u>8-15-23</u>	<u>11:15A</u>	<u>0</u>	<u>20.9/1.3</u>
<u>8-15-23</u>	<u>11:18A</u>	<u>0</u>	<u>19.5/0.3</u>
<u>8-15-23</u>	<u>11:00A</u>	<u>0</u>	<u>21.4/0.3</u>
<u>8-15-23</u>	<u>11:20A</u>	<u>0</u>	<u>19.8/0.1</u>
<u>8-15-23</u>	<u>11:18</u>	<u>0</u>	<u>21.8/0.1</u>
<u>8-15-23</u>	<u>11:19A</u>	<u>0</u>	<u>20.9/0.4</u>
		<u>MISSING</u>	

If Out of Temperature ComplianceProceed: Yes NoOk'd by R. Amba (client)Date 8/15/23 (client)

CHAIN OF CUSTODY				
Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First	<u>R. Amba</u>	<u>DJL</u>		<u>8/15/23 1:09pm</u>
Second	<u>Yp</u>	<u>DJL</u>	<u>8/15/23 1:09pm</u>	
Third				
Fourth	<u>AK</u>	<u>DJL</u>	<u>8/16 office</u>	

I guarantee that as the client, or on behalf of the client named, I have the authority to contract the above requested services. Should it be found that I do not have such authority, I agree to be personally liable for all costs and, if there should be action against me for this breach, reasonable attorneys' fees. It is understood that payment is expected to be cash with samples unless terms have been previously arranged. Terms are net 30 days; overdue accounts will be charged a dated damage fee of 2% per month (annually 24%) or \$5.00 per month whichever is greater.

If payment is not made when due and a legitimate dispute exists concerning the product or services of Dellavalle Laboratory, Inc., it will be submitted to mediation under its Rules and Procedures. The parties will equally bear the costs of mediation/arbitration. If, however, the mediator declares the event of arbitration, reasonable attorneys' fees of Dellavalle Laboratory.

Invoicing Information:

			Shipping	
Sampling Hrs	Miles	Consulting	\$	In
				Out
Amt Paid	Rec By	Check No.		Date

Signature _____
 Sample received in cooler with ice?
 Yes No

mg:update 2022



08/16/23 07:00

23H1466

Shipping Information: Shipped In Picked-Up Walk In DLI Sampler Other

Samples refrigerated before pick up Picked up samples placed in Ice chest

Container: Ice Chest Box None

Refrigerant: Wet Ice Blue Ice None

Samples Preserved with HNO₃ or H₂SO₄ were: Received Preserved Preserved Upon Receipt at Laboratory

Type of Container(s) Received	Sample Number									
	1	2	3	4	5	6	7	8	9	10
Sample Containers for Internal (DLI) Use (Containers that go into the Lab)										
Plastics										
100 mL sterile plastic Na ₂ S ₂ O ₃ (Green)										
250 mL unpreserved (White) Plastic										
250 mL HNO ₃ (Red) Plastic										
* pH Value										
250 mL H ₂ SO ₄ (Yellow) Plastic										
* pH Value										
500 mL unpreserved (White) Plastic										
1 L unpreserved (White) Plastic										
1 L unpreserved (BOD) (Purple) Plastic										
Special	Special									
500mL unpreserved (White) Glass										
PO4-P Kit										
Other:										

Sample Containers for Subcontracted ("Send Out") Analyses

(Containers that go in the Subcontract ("Send Out") Refrigerator)

Plastics	100 mL sterile plastic Na ₂ S ₂ O ₃ (Green)									
	250 mL unpreserved (White) Plastic									
	250 mL HNO ₃ (Red) Plastic									
	250 mL H ₂ SO ₄ (Yellow) Plastic									
	500 mL HNO ₃ (Red)									
	1 L unpreserved (White) Plastic									
	1 L unpreserved (BOD) (Purple) Plastic									
	1 L HNO ₃ (Red)									
VOA Vials	40 mL VOA, Na ₂ S ₂ O ₃ + MCAA (EPA531)									
	40 mL VOA, Na ₂ S ₂ O ₃ (EPA547)									
	40mL AG VOA unpreserved (White) (Set of 3)									
	40 mL AG VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)									
	40mL VOA, H ₃ PO ₄ (Set of 3)									
	40 mL VOA, HCl (Blue) (Set of 3)									
Glass	40 mL VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)									
	250 mL AG unpreserved (White)									
	250 mL AG H ₂ SO ₄ (Yellow)									
	250 mL AG Na ₂ S ₂ O ₃ (Green)									
	250 mL AG Na ₂ S ₂ O ₃ + MCAA									
	500 mL glass unpreserved (White)									
	500 mL AG HCl (Blue)									
	1 L AG unpreserved (White)									
Special	1 L AG H ₂ SO ₄ (Yellow)									
	1 L AG Na ₂ S ₂ O ₃ (Green)									
	1 L AG HCl (Blue)									
	Cr ⁶⁺ - 50mL Plastic w/Borate/HCO ₃ /CO ₃									
	Cyanide - 500 mL NaOH									
	Asbestos - 1L P wrapped in foil (Set of 2)									
	Sulfide - 1 L AG or P NaOH + ZnAc									
	Chlorite/Bromate - 250 mL AG with EDA									
	HAA5 - 250mL AG Ammonium Chlorite									
	DO KIT									
	Other:									
	Other:									



Roxey J Avila
740 S. Kazarian St.
Tulare, CA 93274

Account# 00-0024349
Account Manager: Ben Nydam
Submitted By: Roxey
Ranch: Mattos Bros. #3

Received: 05/09/2023 7:50
Reported: 05/30/2023 12:16

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23E0702-01	Canal	Ag Water	Justin		05/08/2023 8:15

Default Cooler Temperature on Receipt °C: 8.3
Custody Seals
Containers Intact
COC/Labels Agree
Received On Ice

Notes and Definitions

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

Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

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740 S. Kazarian St.
Tulare, CA 93274

Account# 00-0024349
Account Manager: Ben Nydam
Submitted By: Roxey
Ranch: Mattos Bros. #3

Received: 05/09/2023 7:50
Reported: 05/30/2023 12:16

Sample Results

Sample: Canal
23E0702-01 (Water)

Sampled: 5/8/2023 8:15
Sampled By: Justin

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	0.07	mmhos/cm	0.01	1		05/11/23 13:21	SM 2510 B		BEE0294
Electrical Conductivity umhos	67.0	umhos/cm	10.0	1		05/11/23 13:21	SM 2510 B		BEE0294
Nitrate Nitrogen as NO3N	0.3	mg/L	0.1	1	10	05/09/23 18:47	EPA 300.0		BEE0285
pH	7.5	units	1.0	1		05/11/23 13:21	SM 4500-H+	H	BEE0294
Total Filterable Solids (TDS)	54.0	mg/L	10.0	1		05/26/23 14:01	SM 2540 C		BEE0919
Temperature	25.0	°C	0.0	1		05/11/23 13:21	SM 2510 B		BEE0294

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Account# 00-0024349
Account Manager: Ben Nydam
Submitted By: Roxey
Ranch: Mattos Bros. #3

Received: 05/09/2023 7:50
Reported: 05/30/2023 12:16

Quality Control

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEE0285									
Blank (BEE0285-BLK1)									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared & Analyzed: 5/9/2023				
Blank (BEE0285-BLK2)									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared & Analyzed: 5/9/2023				
LCS (BEE0285-BS1)									
Nitrate Nitrogen as NO3N	5.1	0.1	mg/L	5.000	103	90-110			
Duplicate (BEE0285-DUP1)									
Nitrate Nitrogen as NO3N	0.3	0.1	mg/L	0.3			0.317	10	
Matrix Spike (BEE0285-MS1)									
Nitrate Nitrogen as NO3N	5.6	0.1	mg/L	5.000	0.3	105	90-110		
Reference (BEE0285-SRM1)									
Nitrate Nitrogen as NO3N	10.4		mg/L	10.00	104	90-110			
Reference (BEE0285-SRM2)									
Nitrate Nitrogen as NO3N	10.4		mg/L	10.00	104	90-110			

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740 S. Kazarian St.
Tulare, CA 93274

Account# 00-0024349
Account Manager: Ben Nydam
Submitted By: Roxey
Ranch: Mattos Bros. #3

Received: 05/09/2023 7:50
Reported: 05/30/2023 12:16

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEE0294									
Blank (BEE0294-BLK1)									
Prepared & Analyzed: 5/11/2023									
pH	5.5	1.0	units						
Electrical Conductivity	ND	0.01	mmhos/cm						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Temperature	25.0	0.0	°C						
Blank (BEE0294-BLK2)									
Prepared & Analyzed: 5/11/2023									
pH	5.6	1.0	units						
Electrical Conductivity	ND	0.01	mmhos/cm						
Temperature	25.0	0.0	°C						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Blank (BEE0294-BLK3)									
Prepared & Analyzed: 5/11/2023									
Electrical Conductivity	ND	0.01	mmhos/cm						
pH	5.7	1.0	units						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Temperature	25.0	0.0	°C						
Duplicate (BEE0294-DUP1)									
Source: 23E0030-01 Prepared & Analyzed: 5/11/2023									
Electrical Conductivity	0.54	0.01	mmhos/cm		0.55			2.04	10
pH	7.4	1.0	units		7.4			0.404	10
Electrical Conductivity umhos	540	10.0	umhos/cm		551			2.04	10
Duplicate (BEE0294-DUP2)									
Source: 23E0703-01 Prepared & Analyzed: 5/11/2023									
pH	7.6	1.0	units		7.6			0.393	10
Electrical Conductivity	0.07	0.01	mmhos/cm		0.07			0.447	10
Electrical Conductivity umhos	67.0	10.0	umhos/cm		67.3			0.447	10
Reference (BEE0294-SRM1)									
Prepared & Analyzed: 5/11/2023									
Electrical Conductivity	569		umhos/cm		538.0	106	90-110		
Reference (BEE0294-SRM2)									
Prepared & Analyzed: 5/11/2023									
pH	7.8		units		7.790	99.9	.7163-101.28		
Reference (BEE0294-SRM3)									
Prepared & Analyzed: 5/11/2023									
Electrical Conductivity	1060		umhos/cm		1000	106	90-110		
Electrical Conductivity umhos	1060		umhos/cm		1000	106	90-110		
Reference (BEE0294-SRM4)									
Prepared & Analyzed: 5/11/2023									
Electrical Conductivity	1060		umhos/cm		1000	106	90-110		
Electrical Conductivity umhos	1060		umhos/cm		1000	106	90-110		
Reference (BEE0294-SRM5)									
Prepared & Analyzed: 5/11/2023									
Electrical Conductivity	1070		umhos/cm		1000	107	90-110		

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



Roxey J Avila
740 S. Kazarian St.
Tulare, CA 93274

Account# 00-0024349
Account Manager: Ben Nydam
Submitted By: Roxey
Ranch: Mattos Bros. #3

Received: 05/09/2023 7:50
Reported: 05/30/2023 12:16

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEE0294 (Continued)									
Reference (BEE0294-SRM5)									
Electrical Conductivity umhos	1070		umhos/cm	1000	107	100	90-110		
Reference (BEE0294-SRM6)									
pH	4.0		units	4.000	100	100	97.5-102.5		
Reference (BEE0294-SRM7)									
pH	4.0		units	4.000	100	100	97.5-102.5		
Reference (BEE0294-SRM8)									
pH	4.0		units	4.000	99.8	99.8	97.5-102.5		

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Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEE0919									
Blank (BEE0919-BLK1)									
Total Filterable Solids (TDS)	ND	10.0	mg/L		Prepared: 5/24/2023 Analyzed: 5/26/2023				
LCS (BEE0919-BS1)									
Total Filterable Solids (TDS)	23.8	10.0	mg/L	2000	Prepared: 5/24/2023 Analyzed: 5/26/2023	1.19	0-200		
Duplicate (BEE0919-DUP1)									
Total Filterable Solids (TDS)	50.0	10.0	mg/L		Prepared: 5/24/2023 Analyzed: 5/26/2023	50.0		0.00	5
Reference (BEE0919-SRM1)									
Total Filterable Solids (TDS)	330		mg/L	325.0	Prepared: 5/24/2023 Analyzed: 5/26/2023	102	90-110		

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05/09/23 07:50

23E0702

WATER WORK REQUEST

Bill To:	Acct No.	Cons.
	24349	8

Purchase Order No. _____ Results Needed By _____

Client **Roxey J Avila**
 Address 1000 Rankin Ave **7408 Kazordan**
 City, State, Zip Tulare, CA 93274
 Phone (559) 786-4683 Fax _____
 Cell/Email **goroxey@yahoo.com**

Copy to _____

Requested by **Roxey**Ranch **MATTOS BROS. #3**Date sampled **5-8-23**Sampled by **Quinton**

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

DESCRIPTION OF SAMPLES

- | | | |
|-----|-------|---------------------|
| 1. | Canal | Sampled From: Canal |
| 2. | | Sampled From: _____ |
| 3. | | Sampled From: _____ |
| 4. | | Sampled From: _____ |
| 5. | | Sampled From: _____ |
| 6. | | Sampled From: _____ |
| 7. | | Sampled From: _____ |
| 8. | | Sampled From: _____ |
| 9. | | Sampled From: _____ |
| 10. | | Sampled From: _____ |

IR Thermometer SN: 221314362

Correction Factor: 0°C
Calibration Due: 6/30/2023
Location: Hanford Office

Temperature Upon Receipt

Hanford (°C): _____
Laboratory (°C): **3.6**

IR Thermometer SN: 200560723

Correction Factor: 0°C
Calibration Due: 6/30/2023
Location: Laboratory

If Out of Temperature Compliance

Proceed: [X] Yes [] No

Ok'd by **Josh Teixeira** (client)
Date **5/8/23** (client)

() Other

Date Sampled	Time Sampled	Field NH4-N (mg/L)	Received Temp °C
5/8/23	8:15A	10'	83/36

CHAIN OF CUSTODY

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First	Josh Teixeira	HDS	5/8/23 9:00AM	5/8/23 10:42 AM
Second	Ypp	DU	5/8/23 10:42 AM	
Third				
Fourth	MT	DU	5/8/23 0750	

I guarantee that as the client, or on behalf of the client named, I have the authority to contract the above requested services. Should it be found that I do not have such authority, I agree to be personally liable for all costs and, if there should be action against me for this breach, reasonable attorneys' fees. It is understood that payment is expected to be cash with samples unless terms have been previously arranged. Terms are net 30 days; overdue accounts will be charged a dated damage fee of 2% per month (annually 24%) or \$5.00 per month whichever is greater.

If payment is not made when due and a legitimate dispute exists concerning the product or services of DellaValle Laboratory, Inc., it will be submitted to mediation under the Rules and Procedures of Creative Alternative to Litigation, Inc. (cal). If the dispute is not resolved in mediation, then the dispute will be submitted to binding arbitration through cal under its Rules and Procedures. The parties will equally bear the costs of mediation/arbitration. If, however, the mediator declares that no legitimate dispute exists, then debtor will pay all mediation and arbitration costs, and in the event of arbitration, reasonable attorneys' fees of DellaValle Laboratory.

Invoicing Information:

Shipping

Sampling Hrs	Miles	Consulting	\$	In
Amt Paid	Rec By	Check No.	\$	Out

Signature _____

Sample received in cooler with ice?

[] Yes [] No

mg:update 2022



05/09/23 07:50

23E0702

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

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: Fernando OR Joe MattosName of Dairy Facility: Mattos Brothers Dairy

Facility Address:	<u>4017 Kansas Ave.</u>	<u>Hanford</u>	<u>93230</u>
	Number and Street	City	Zip Code
Contact Person Name and Phone Number:	<u>Joe Mattos</u>	<u>559-280-6648</u>	
	Name	Phone Number	

Manure/Process Wastewater Hauler Information:Name of Hauling Company/Person: Mello Spreading

Address of Hauling Company/Person:	<u>4032 W. Inyo</u>	<u>Tulare</u>	<u>93274</u>
	Number and Street	City	Zip Code
Contact Person:	<u>Brian</u>	<u>559-684-8128</u>	<u>816-350</u>
	Name	Phone Number	

Destination Information:Composting Facility / Broker / Farmer / Other (identify) Dairy Farmer (please circle one)

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

<u>Mattos #3</u>	<u>3912 Ave. 232</u>	<u>Tulare</u>	<u>93274</u>	<u>559-280-6648</u>
Name	Number and Street	City	Zip Code	Phone Number

Manure/Process Wastewater Destination Address or Assessor's Parcel Number: X155-X060-X006

<u>Mattos #2 (Back Road Ranch</u>	<u>22901 Rd. 28</u>	<u>Tulare</u>	<u>93274</u>	<u>559-280-6648</u>
Name	Number and Street	City	Zip Code	Phone Number

Dates Hauled: 10-10-2023Amount 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: 450 Tons or Cubic Yards (indicate which units used)

Manure Solids Content (if amount reported in 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:

10 Tons X,s representative loads

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.

X

Operator's Signature:

Fernando OR Joe Mattos

Date: 10-10-2023

Hauler's Signature:

X *Joe Mattos*
B Melito

Date: 10-10-2023