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: Georgeson Dairy

Physical address of dairy:

8519 24th AVE	Lemoore	Kings	93245
Number and Street	City	County	Zip Code

Street and nearest cross street (if no address):

Date facility was originally placed in operation: 06/01/1989

Regional Water Quality Control Board Basin Plan designation: Tulare Basin

County Assessor Parcel Number(s) for dairy facility:

0004-0220-0011-0000 0004-0220-0047-0000 0004-0220-0100-0000

B. OPERATORS

Mendes, Eddie

Operator name: Mendes, Eddie Telephone no.: (559) 925-8048 Landline (559) 906-8517 Cellular

6775 21st AVE	Lemoore	CA	93245
Mailing Address Number and Street	City	State	Zip Code

This operator is responsible for paying permit fees.

C. OWNERS

Mendes, Eddie

Legal owner name: Mendes, Eddie Telephone no.: (559) 925-8048 Landline (559) 906-8517 Cellular

6775 21st AVE	Lemoore	CA	93245
Mailing Address Number and Street	City	State	Zip Code

This owner is responsible for paying permit fees.

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

AVAILABLE NUTRIENTS

A. HERD INFORMATION

	Milk Cows	Dry Cows	Bred Heifers (15-24 mo.)	Heifers (7-14 mo. to breeding)	Calves (4-6 mo.)	Calves (0-3 mo.)
Number open confinement	0	115	300	250	250	0
Number under roof	1,225	0	0	0	0	0
Maximum number	1,225	115	300	250	250	0
Average number	1,225	115	300	250	250	0
Avg live weight (lbs)	1,200	1,300	1,000	800		

Predominant milk cow breed: Jersey

Average milk production: 67 *pounds per cow per day*

B. MANURE GENERATED

Total manure excreted by the herd: 39,052.18 *tons per reporting period*

Total nitrogen from manure: 491,158.98 *lbs per reporting period* After ammonia losses (30% loss applied): 343,811.29 *lbs per reporting period*

Total phosphorus from manure: 81,022.69 *lbs per reporting period*

Total potassium from manure: 232,184.33 *lbs per reporting period*

Total salt from manure: 603,235.50 *lbs per reporting period*

C. PROCESS WASTEWATER GENERATED

Process wastewater generated: 19,565,000 *gallons*

Total nitrogen generated: 64,373.94 *lbs*

Total phosphorus generated: 7,197.68 *lbs*

Total potassium generated: 54,393.70 *lbs*

Total salt generated: 323,486.00 *lbs*

	19,565,000	*gallons applied*
+	0	*gallons exported*
-	0	*gallons imported*
=	19,565,000	*gallons generated*

D. FRESH WATER SOURCES

Source Description	Type
Canal	Surface water
D1	Ground water
D2&D3	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 (%)
10/25/2023	Corral solids	3,200.00 *ton*	As-is	31.3		10,800.00	5,000.00	18,700.00		52.50

No liquid nutrient exports entered.

Material type	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Dry manure	69,120.00	32,000.00	119,680.00	2,308,320.00
Process wastewater	0.00	0.00	0.00	0.00
Total exports for all materials	69,120.00	32,000.00	119,680.00	2,308,320.00

A. LIST OF LAND APPLICATION AREAS

Field name	Controlled acres	Cropable acres	Total harvests	Type of waste applied	Parcel number
Eddie Fairfax	3	3	0	none	X004-X230-X061-XXXX
Field #1	39	38	0	none	X004-X220-X101-XXXX
Field #17	130	130	0	none	X004-X040-X023-XXXX
Field #2	37	37	0	none	X004-X220-X004-XXXX
Field #3	35	35	2	process wastewater	X004-X220-X097-XXXX
Field #4	58	58	0	none	X004-X220-X004-XXXX
Field #7	21	21	0	none	X004-X220-X004-XXXX
Field #8	37	37	2	process wastewater	X004-X220-X089-XXXX
Field# 15	7	7	0	none	X004-X220-X002-XXXX
Field# 16	9	9	0	none	X004-X220-X100-XXXX
Field#10	57	57	0	none	X004-X220-X001-XXXX
Field#11	12	12	0	none	X004-X220-X002-XXXX
Field#12	18	18	0	none	X004-X220-X076-XXXX
Field#13	53	53	2	process wastewater	X004-X230-X046-XXXX
Totals for areas that were used for application	125	125	6		
Totals for areas that were not used for application	391	390	0		
Land application area totals	516	515	6		

B. CROPS AND HARVESTS

Field #3

Field name: Field #3

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

Crop: Wheat, silage, boot stage Acres planted: 35 Plant date: 11/01/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/09/2023	490.00 *ton*	Dry-weight		60.7	24,900.00	3,500.00	23,200.00		9.90

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	16.00	256.00	44.80	192.00	0.00
Total actual harvest content	14.00	274.00	38.51	255.29	1,089.40

Field #3

06/01/2023: Corn, silage

Crop: Corn, silage Acres planted: 35 Plant date: 06/01/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/05/2023	630.00 *ton*	Dry-weight		74.2	16,100.00	3,700.00	39,500.00		12.55

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	224.00	42.00	184.80	0.00
Total actual harvest content	18.00	149.54	34.37	366.88	1,165.64

Field #8

Field name: Field #8

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

Crop: Wheat, silage, boot stage Acres planted: 37 Plant date: 11/01/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/09/2023	518.00 *ton*	Dry-weight		61.9	24,500.00	4,600.00	31,100.00		14.60

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	16.00	256.00	44.80	192.00	0.00
Total actual harvest content	14.00	261.37	49.07	331.77	1,557.53

06/01/2023: Corn, silage

Crop: Corn, silage Acres planted: 37 Plant date: 06/01/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/05/2023	666.00 *ton*	Dry-weight		70.1	17,200.00	3,400.00	32,500.00		11.50

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	224.00	42.00	184.80	0.00
Total actual harvest content	18.00	185.14	36.60	349.83	1,237.86

Field#13

Field name: Field#13

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

Crop: Wheat, silage, boot stage Acres planted: 53 Plant date: 11/01/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/09/2023	742.00 *ton*	Dry-weight		61.8	24,500.00	4,600.00	31,100.00		14.61

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	16.00	256.00	44.80	192.00	0.00
Total actual harvest content	14.00	262.05	49.20	332.65	1,562.69

06/01/2023: Corn, silage

Crop: Corn, silage Acres planted: 53 Plant date: 06/01/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/05/2023	954.00 *ton*	Dry-weight		69.1	16,700.00	3,100.00	38,900.00		13.32

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	224.00	42.00	184.80	0.00
Total actual harvest content	18.00	185.77	34.48	432.72	1,481.72

NUTRIENT BUDGET

A. LAND APPLICATIONS

Field #3 - 11/01/2022: Wheat, silage, boot stage

Field name: Field #3

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

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
12/29/2022	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	77.76	6.29	36.51	207.07	640,000.00 *gal*
Application event totals		77.76	6.29	36.51	207.07	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
01/14/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	77.76	6.29	36.51	207.07	640,000.00 *gal*
Application event totals		77.76	6.29	36.51	207.07	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
02/15/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	7.15	2,500,000.00 *gal*
Application event totals		0.00	0.00	0.00	7.15	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
03/15/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	199.27	16.11	93.57	530.62	1,640,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	7.15	2,500,000.00 *gal*
Application event totals		199.27	16.11	93.57	537.77	

Field #3 - 06/01/2023: Corn, silage

Field name: Field #3

Crop: Corn, silage Plant date: 06/01/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following

Field #3 - 06/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/29/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	14.88	5,200,000.00 *gal*
Application event totals		0.00	0.00	0.00	14.88	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/09/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	110.39	19.37	126.24	780.73	1,220,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	14.88	5,200,000.00 *gal*
Application event totals		110.39	19.37	126.24	795.61	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/19/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	14.88	5,200,000.00 *gal*
Application event totals		0.00	0.00	0.00	14.88	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/29/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	14.88	5,200,000.00 *gal*
Application event totals		0.00	0.00	0.00	14.88	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/09/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	60.97	7.44	113.62	677.76	1,220,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	14.88	5,200,000.00 *gal*
Application event totals		60.97	7.44	113.62	692.64	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/19/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	14.88	5,200,000.00 *gal*
Application event totals		0.00	0.00	0.00	14.88	

Field #3 - 06/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/29/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	14.88	5,200,000.00 *gal*
Application event totals		0.00	0.00	0.00	14.88	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
09/09/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	14.88	5,200,000.00 *gal*
Application event totals		0.00	0.00	0.00	14.88	

Field #8 - 11/01/2022: Wheat, silage, boot stage

Field name: Field #8

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

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
12/28/2022	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	96.55	7.80	45.33	257.09	840,000.00 *gal*
Application event totals		96.55	7.80	45.33	257.09	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
01/13/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	96.55	7.80	45.33	257.09	840,000.00 *gal*
Application event totals		96.55	7.80	45.33	257.09	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
02/12/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	10.28	3,800,000.00 *gal*
Application event totals		0.00	0.00	0.00	10.28	

Field #8 - 11/01/2022: Wheat, silage, boot stage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
03/15/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	131.03	10.59	61.53	348.91	1,140,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	10.28	3,800,000.00 *gal*
Application event totals		131.03	10.59	61.53	359.19	

Field #8 - 06/01/2023: Corn, silage

Field name: Field #8

Crop: Corn, silage Plant date: 06/01/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/27/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	13.53	5,000,000.00 *gal*
Application event totals		0.00	0.00	0.00	13.53	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/07/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	13.53	5,000,000.00 *gal*
Application event totals		0.00	0.00	0.00	13.53	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/17/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	106.13	18.62	121.38	750.64	1,240,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	13.53	5,000,000.00 *gal*
Application event totals		106.13	18.62	121.38	764.17	

Field #8 - 06/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/27/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	13.53	5,000,000.00 *gal*
Application event totals		0.00	0.00	0.00	13.53	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/07/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	58.62	7.15	109.24	651.63	1,240,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	13.53	5,000,000.00 *gal*
Application event totals		58.62	7.15	109.24	665.16	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/17/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	13.53	5,000,000.00 *gal*
Application event totals		0.00	0.00	0.00	13.53	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/27/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	58.62	7.15	109.24	651.63	1,240,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	13.53	5,000,000.00 *gal*
Application event totals		58.62	7.15	109.24	665.16	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
09/07/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	13.53	5,000,000.00 *gal*
Application event totals		0.00	0.00	0.00	13.53	

Field#13 - 11/01/2022: Wheat, silage, boot stage

Field name: Field#13

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

Field#13 - 11/01/2022: Wheat, silage, boot stage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
02/04/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	86.66	7.00	40.69	230.76	1,080,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	8.62	4,560,000.00 *gal*
Application event totals		86.66	7.00	40.69	239.37	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
03/06/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	86.66	7.00	40.69	230.76	1,080,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	8.62	4,560,000.00 *gal*
Application event totals		86.66	7.00	40.69	239.37	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
04/05/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	86.66	7.00	40.69	230.76	1,080,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	8.62	4,560,000.00 *gal*
Application event totals		86.66	7.00	40.69	239.37	

Field#13 - 06/01/2023: Corn, silage

Field name: Field#13

Crop: Corn, silage Plant date: 06/01/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/27/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	14.28	7,560,000.00 *gal*
Application event totals		0.00	0.00	0.00	14.28	

Field#13 - 06/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/07/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	14.28	7,560,000.00 *gal*
Application event totals		0.00	0.00	0.00	14.28	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/17/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	88.14	15.47	100.79	623.34	1,475,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	14.28	7,560,000.00 *gal*
Application event totals		88.14	15.47	100.79	637.62	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/27/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	14.28	7,560,000.00 *gal*
Application event totals		0.00	0.00	0.00	14.28	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/07/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	88.14	15.47	100.79	623.34	1,475,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	14.28	7,560,000.00 *gal*
Application event totals		88.14	15.47	100.79	637.62	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/17/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	14.28	7,560,000.00 *gal*
Application event totals		0.00	0.00	0.00	14.28	

Field#13 - 06/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/27/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	48.68	5.94	90.71	541.13	1,475,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	14.28	7,560,000.00 *gal*
Application event totals		48.68	5.94	90.71	555.41	

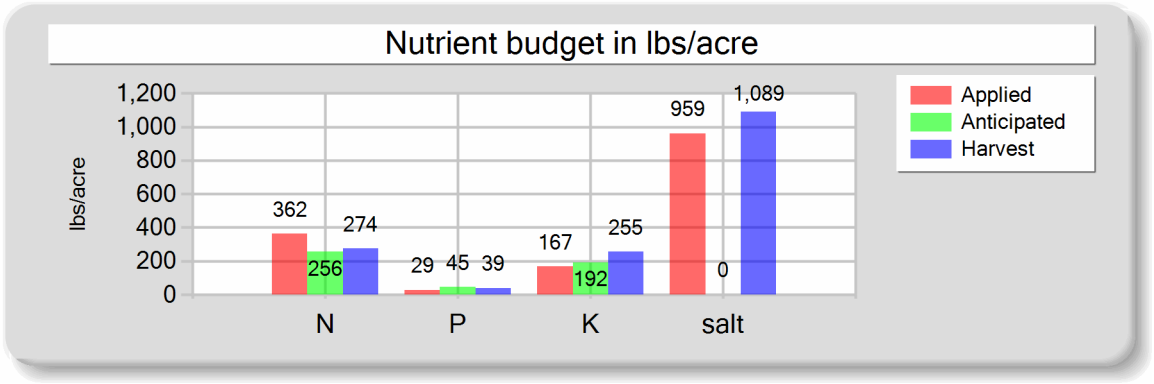
Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
09/07/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	14.28	7,560,000.00 *gal*
Application event totals		0.00	0.00	0.00	14.28	

B. NUTRIENT BUDGET

Field #3 - 11/01/2022: Wheat, silage, boot stage

Field name: Field #3 Crop: Wheat, silage, boot stage Plant date: 11/01/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	354.80	28.68	166.60	944.76
Fresh water	0.00	0.00	0.00	14.31
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	361.80	28.68	166.60	959.06
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00
Actual crop nutrient removal	274.00	38.51	255.29	1,089.40
Nutrient balance	87.80	-9.84	-88.70	-130.33
Applied to removed ratio	1.32	0.74	0.65	0.88

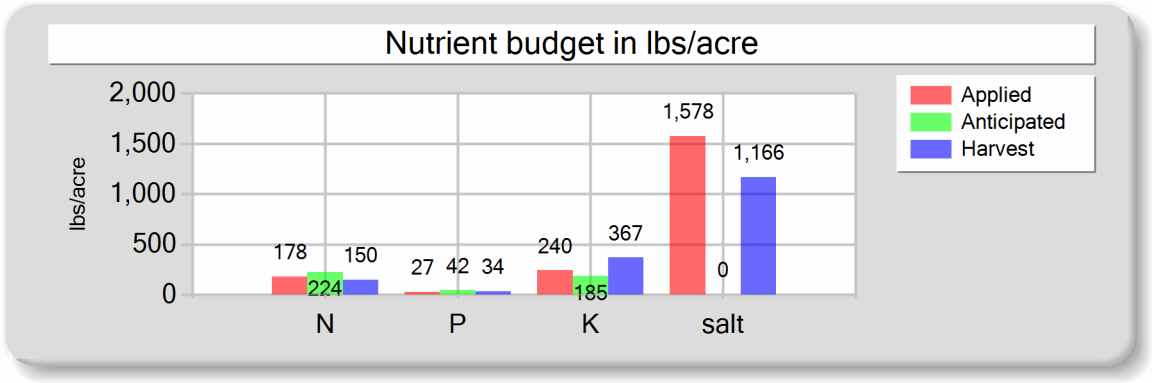
Fresh water applied	
5,000,000.00	*gallons*
184.13	*acre-inches*
5.26	*inches/acre*

Process wastewater applied	
2,920,000.00	*gallons*
107.53	*acre-inches*
3.07	*inches/acre*

Total harvests for the crop	
1	*harvests*

Field #3 - 06/01/2023: Corn, silage

Field name: Field #3 Crop: Corn, silage Plant date: 06/01/2023



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	171.36	26.81	239.86	1,458.49
Fresh water	0.00	0.00	0.00	119.02
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	178.36	26.81	239.86	1,577.51
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	149.54	34.37	366.88	1,165.64
Nutrient balance	28.82	-7.55	-127.01	411.87
Applied to removed ratio	1.19	0.78	0.65	1.35

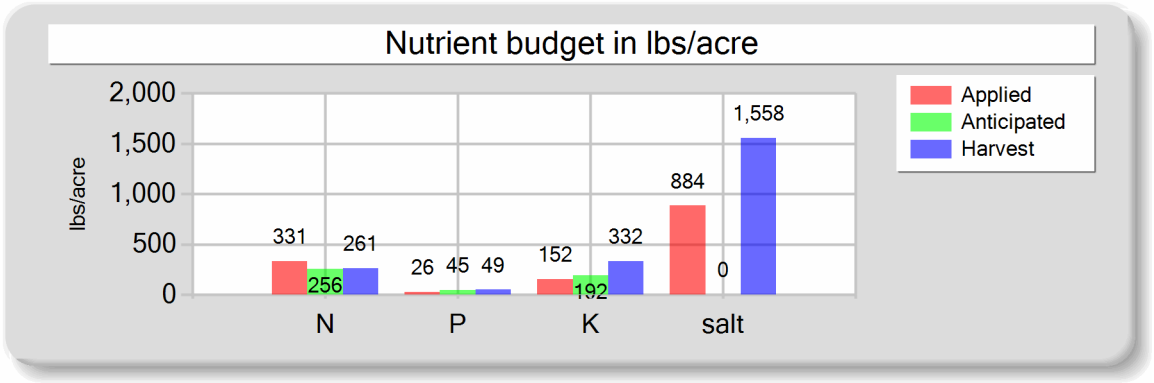
Fresh water applied	
41,600,000.00	*gallons*
1,531.99	*acre-inches*
43.77	*inches/acre*

Process wastewater applied	
2,440,000.00	*gallons*
89.86	*acre-inches*
2.57	*inches/acre*

Total harvests for the crop	
1	*harvests*

Field #8 - 11/01/2022: Wheat, silage, boot stage

Field name: Field #8 Crop: Wheat, silage, boot stage Plant date: 11/01/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	324.12	26.20	152.19	863.09
Fresh water	0.00	0.00	0.00	20.57
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	331.12	26.20	152.19	883.65
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00
Actual crop nutrient removal	261.37	49.07	331.77	1,557.53
Nutrient balance	69.76	-22.87	-179.58	-673.87
Applied to removed ratio	1.27	0.53	0.46	0.57

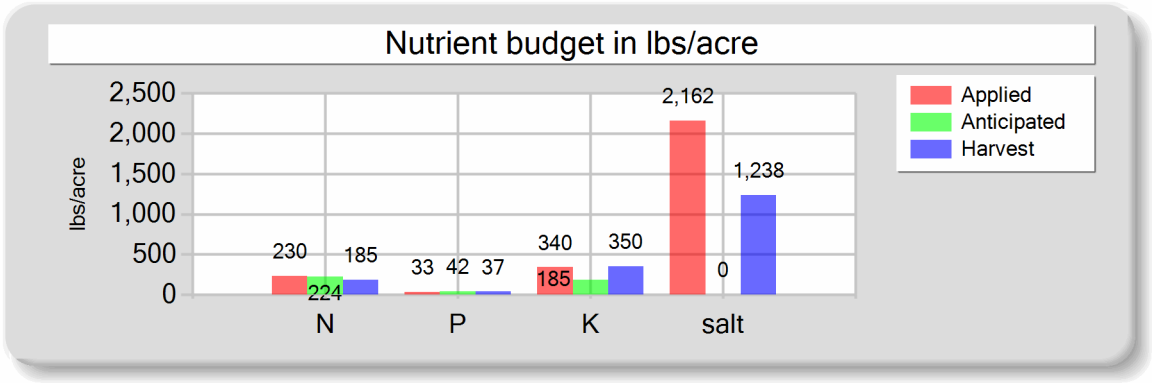
Fresh water applied	
7,600,000.00	*gallons*
279.88	*acre-inches*
7.56	*inches/acre*

Process wastewater applied	
2,820,000.00	*gallons*
103.85	*acre-inches*
2.81	*inches/acre*

Total harvests for the crop	
1	*harvests*

Field #8 - 06/01/2023: Corn, silage

Field name: Field #8 Crop: Corn, silage Plant date: 06/01/2023



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	223.37	32.93	339.86	2,053.90
Fresh water	0.00	0.00	0.00	108.26
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	230.37	32.93	339.86	2,162.16
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	185.14	36.60	349.83	1,237.86
Nutrient balance	45.23	-3.67	-9.97	924.30
Applied to removed ratio	1.24	0.90	0.97	1.75

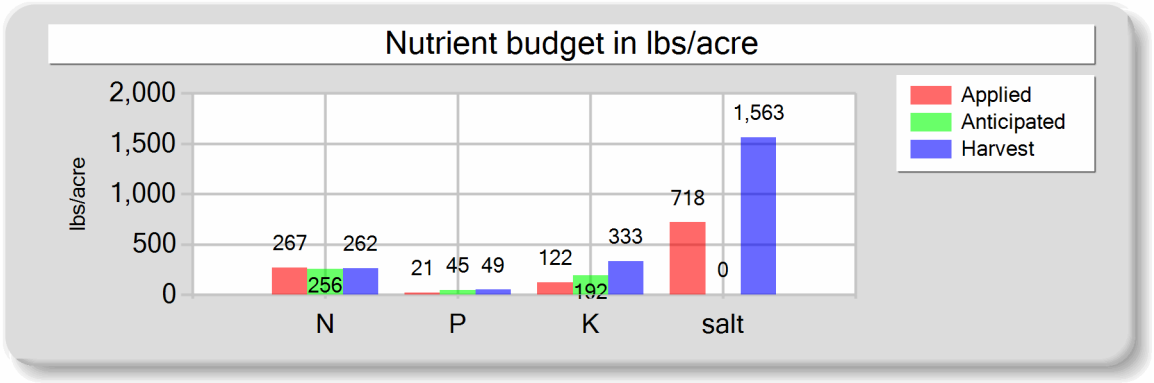
Fresh water applied	
40,000,000.00	*gallons*
1,473.06	*acre-inches*
39.81	*inches/acre*

Process wastewater applied	
3,720,000.00	*gallons*
136.99	*acre-inches*
3.70	*inches/acre*

Total harvests for the crop	
1	*harvests*

Field#13 - 11/01/2022: Wheat, silage, boot stage

Field name: Field#13 Crop: Wheat, silage, boot stage Plant date: 11/01/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	259.98	21.01	122.07	692.27
Fresh water	0.00	0.00	0.00	25.85
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	266.98	21.01	122.07	718.12
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00
Actual crop nutrient removal	262.05	49.20	332.65	1,562.69
Nutrient balance	4.92	-28.19	-210.57	-844.57
Applied to removed ratio	1.02	0.43	0.37	0.46

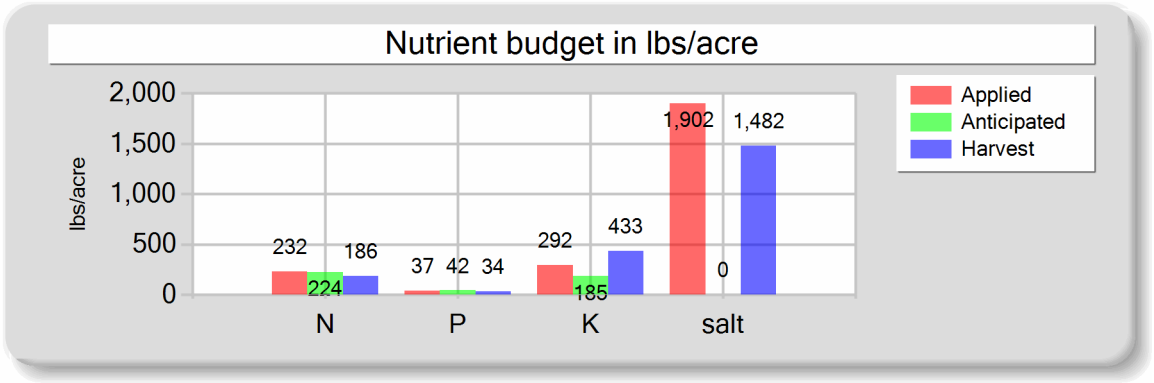
Fresh water applied	
13,680,000.00	*gallons*
503.79	*acre-inches*
9.51	*inches/acre*

Process wastewater applied	
3,240,000.00	*gallons*
119.32	*acre-inches*
2.25	*inches/acre*

Total harvests for the crop	
1	*harvests*

Field#13 - 06/01/2023: Corn, silage

Field name: Field#13 Crop: Corn, silage Plant date: 06/01/2023



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	224.95	36.87	292.30	1,787.81
Fresh water	0.00	0.00	0.00	114.27
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	231.95	36.87	292.30	1,902.08
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	185.77	34.48	432.72	1,481.72
Nutrient balance	46.18	2.39	-140.42	420.36
Applied to removed ratio	1.25	1.07	0.68	1.28

Fresh water applied	
60,480,000.00	*gallons*
2,227.27	*acre-inches*
42.02	*inches/acre*

Process wastewater applied	
4,425,000.00	*gallons*
162.96	*acre-inches*
3.07	*inches/acre*

Total harvests for the crop	
1	*harvests*

NUTRIENT ANALYSES

A. MANURE ANALYSES

Dry Manure

Sample and source description: Dry Manure

Sample date: 06/09/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 36.7 %

	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	11,800.00	4,700.00	22,300.00	10,400.00	4,200.00	4,900.00	3,000.00	103.30		46.30
DL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	10.00		1.00

Dry Manure

Sample and source description: Dry Manure

Sample date: 10/27/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 31.3 %

	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	10,800.00	5,000.00	18,700.00							52.50
DL	100.00	100.00	100.00							1.00

B. PROCESS WASTEWATER ANALYSES

1st Qtr WW

Sample and source description: 1st Qtr WW

Sample date: 02/03/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.61

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	509.61	64.41	0.00	0.00	41.19	239.29								2,120.00	1,357
DL	67.00	0.57	0.01	0.01	0.64	0.01								1.00	19

2nd Qtr WW

Sample and source description: 2nd Qtr WW

Sample date: 06/09/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.65

	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	379.50	147.20	0.00	0.00	66.59	434.00	6.00	5.80	12.70	40.30	0.00	1.10	5.40	4,195.00	2,684
DL	67.00	0.57	0.01	0.01	0.64	0.01	0.02	0.01	0.01	0.10	0.10	0.01	0.01	1.00	19

3rd Qtr WW

Sample and source description: 3rd Qtr WW

Sample date: 09/28/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.75

	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	209.60	169.15	0.00	0.00	25.58	390.60								3,642.00	2,330
DL	67.00	0.57	0.01	0.01	0.64	0.01								1.00	19

4th Qtr WW

Sample and source description: 4th Qtr WW

Sample date: 12/08/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.35

	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	259.60	194.00	0.00	0.00	72.50	355.00								3,978.00	2,545
DL	67.00	0.57	0.01	0.01	0.64	0.01								1.00	19

C. FRESH WATER ANALYSES

Canal

Canal

Canal

Sample description: Canal

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

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

D1

D1

Sample description: D1

Sample date: 12/12/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	0.00										299.00	
DL	0.10										1.00	

D2&D3

D2&D3

Sample description: D2&D3

Sample date: 12/12/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	0.00										294.00	
DL	0.10										1.00	

D. SOIL ANALYSES

No soil analyses entered.

E. PLANT TISSUE ANALYSES

Field #3 - 11/01/2022: Wheat, silage, boot stage

3

Sample and source description: 3

Sample date: 05/09/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 60.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	24,900.00	3,500.00	23,200.00		9.90
DL	100.00	100.00	100.00		1.00

Field #3 - 06/01/2023: Corn, silage

3

Sample and source description: 3

Sample date: 10/05/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 74.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	16,100.00	3,700.00	39,500.00		12.55
DL	100.00	100.00	100.00		1.00

Field #8 - 11/01/2022: Wheat, silage, boot stage

Field #8 - 11/01/2022: Wheat, silage, boot stage

8

Sample and source description: 8

Sample date: 05/09/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 61.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	24,500.00	4,600.00	31,100.00		14.60
DL	100.00	100.00	100.00		1.00

Field #8 - 06/01/2023: Corn, silage

10/05/23

Sample and source description: 10/05/23

Sample date: 10/05/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 70.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	17,200.00	3,400.00	32,500.00		11.50
DL	100.00	100.00	100.00		1.00

Field#13 - 11/01/2022: Wheat, silage, boot stage

13

Sample and source description: 13

Sample date: 05/09/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 61.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	24,500.00	4,600.00	31,100.00		14.61
DL	100.00	100.00	100.00		1.00

Field#13 - 06/01/2023: Corn, silage

13

Sample and source description: 13

Sample date: 10/05/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 69.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	16,700.00	3,100.00	38,900.00		13.32
DL	100.00	100.00	100.00		1.00

F. SUBSURFACE (TILE) DRAINAGE ANALYSES

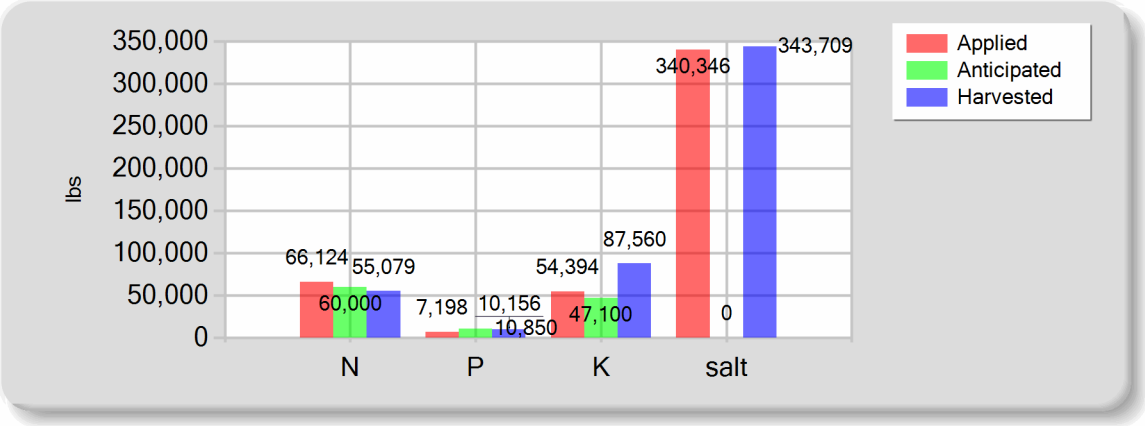
No subsurface (tile) drainage analyses entered.

NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE

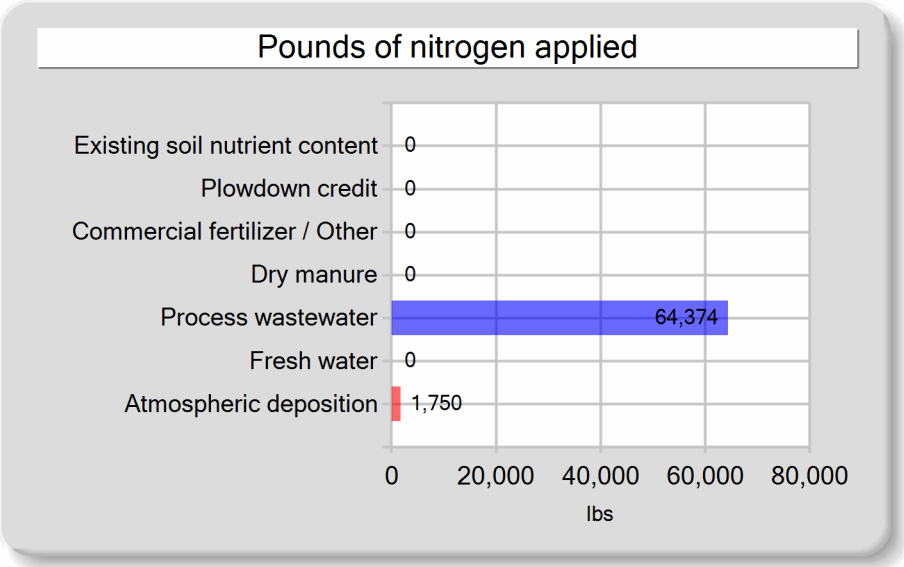
A. SUMMARY OF NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE

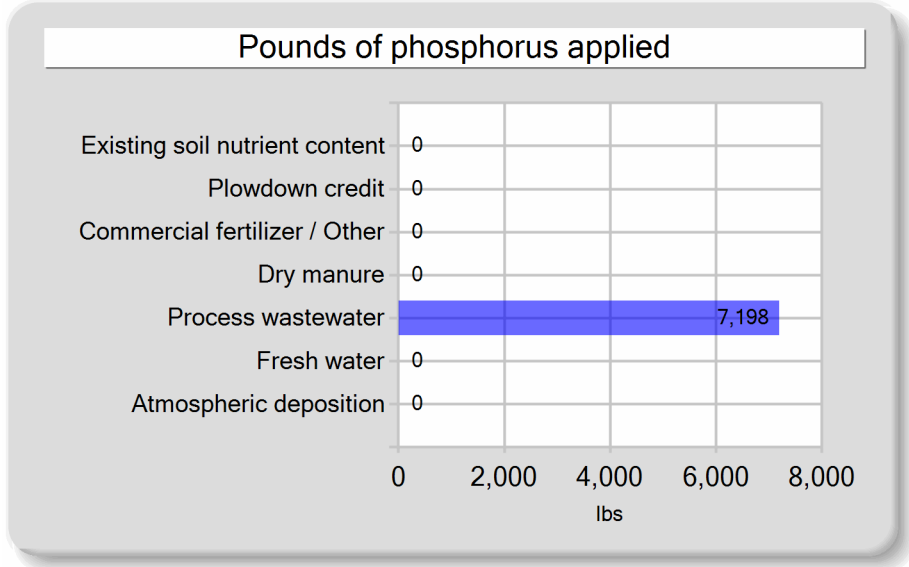
	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	64,373.94	7,197.68	54,393.70	323,486.00
Fresh water	0.00	0.00	0.00	16,859.57
Atmospheric deposition	1,750.00	0.00	0.00	0.00
Total nutrients applied	66,123.94	7,197.68	54,393.70	340,345.57
Anticipated crop nutrient removal	60,000.00	10,850.00	47,100.00	0.00
Actual crop nutrient removal	55,079.13	10,155.95	87,559.85	343,709.08
Nutrient balance	11,044.80	-2,958.26	-33,166.15	-3,363.52
Applied to removed ratio	1.20	0.71	0.62	0.99

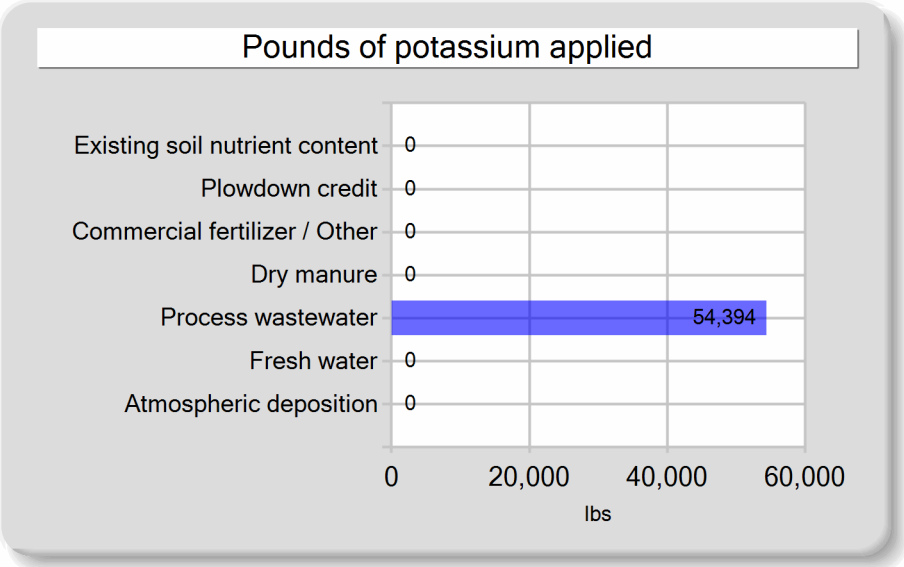
B. POUNDS OF NUTRIENT APPLIED VS. CROP REMOVAL

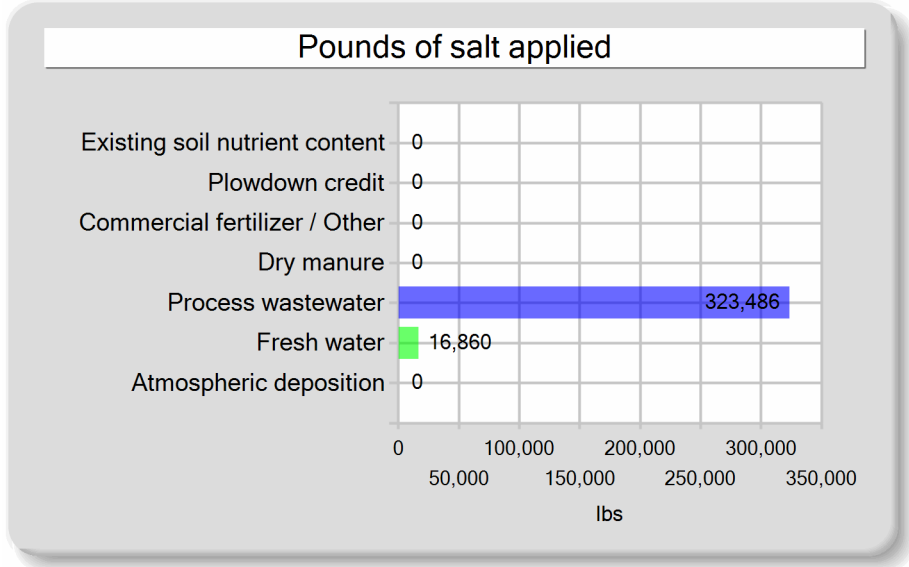


C. POUNDS OF NUTRIENT APPLIED BY MATERIAL TYPE









EXCEPTION REPORTING

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

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

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

B. STORM WATER DISCHARGES

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

No stormwater discharges occurred during the reporting period.

C. LAND APPLICATION AREA TO SURFACE WATER DISCHARGES

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

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

NUTRIENT MANAGEMENT PLAN AND EXPORT AGREEMENT STATEMENTS

A. NUTRIENT MANAGEMENT PLAN STATEMENTS

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

B. EXPORT AGREEMENT STATEMENT

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

ADDITIONAL NOTES

A. NOTES

All wells were all negative for Ammonia which we tested onsite using a test strip .

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

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

CERTIFICATION

A. OWNER AND/OR OPERATOR CERTIFICATION

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

SIGNATURE OF OWNER OF FACILITY	SIGNATURE OF OPERATOR OF FACILITY
Eddie Mendes	SAME AS OWNER
PRINT OR TYPE NAME	PRINT OR TYPE NAME
6/24/24	
DATE	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.

Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

General Order No. R5-2007-0035, Attachment D

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/process wastewater 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: Eddie Mendes

Name of Dairy Facility: Georgeson Dairy

Facility Address:

8519 24th AVE	Lemoore	Kings	93245
Number and Street	City	County	Zip Code

Contact Person Name and Phone Number: Eddie Mendes (Name) (559) 906-8517 (Phone Number)

MANURE HAULER INFORMATION

Name of Hauling Company/Person: Thomas Bros Hauling

Address of Hauling Company/Person:

5810 23rd AVE	Riverdale	CA	93656
Number and Street	City	State	Zip Code

Contact Person: Manuel Thomas (Name) (559) 906-1406 (Phone Number)

DESTINATION INFORMATION

Composting Facility / Broker / Farmer / Other (identify): Farmer

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

Stoneland (Name) (559) 945-2205 (Phone Number)

20877 lacey BLVD	Hanford	CA	93230
Address	City	State	Zip Code

Destination Address or Assessor's Parcel Number:

	Hanford	93230
Address	City	Zip Code

Westside		Kings
Street and nearest cross street (if no address)		County

Assessor's Parcel Number Assessor's Parcel Number County

Last date hauled: 10/25/2023

Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

General Order No. R5-2007-0035, Attachment D

MANURE AMOUNT HAULED

Enter the amount of manure hauled in tons, manure solids content, and the method used to calculate the amount:

Manure: 3,200.00 tons

Manure Solids Content: 68.7 %

Method used to determine amount of manure:

Weighted Average

CERTIFICATION

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

Operator Signature — Date: 6/24/24

Hauler Signature — Date: 6/24/24

DELLAVALLE™
LABORATORY INC

Georgenson Dairy
6775 21st Ave
Lemoore, CA 93245

Account# 00-0025810
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

Received: 12/13/2023 7:00
Reported: 12/20/2023 13:34

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23L0730-01	D1	Ag Water	Medeiros		12/12/2023 10:15
23L0730-02	D2+D3	Ag Water	Medeiros		12/12/2023 10:20

Default Cooler Temperature on Receipt °C: 15.8
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.

Scott McFriedland

Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

DELLAVALLE™
LABORATORY INC

Georgenson Dairy
6775 21st Ave
Lemoore, CA 93245

Account# 00-0025810
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

Received: 12/13/2023 7:00
Reported: 12/20/2023 13:34

Sample Results

Sample: D1
23L0730-01 (Water)

Sampled: 12/12/2023 10:15
Sampled By: Medeiros

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.30**	mmhos/cm	0.01	1		12/13/23 18:44	SM 2510 B		BEL0587
Electrical Conductivity umhos	**299**	umhos/cm	10.0	1		12/13/23 18:44	SM 2510 B		BEL0587
Ammonia (as N)	ND	mg/L	0.00	1		12/12/23 10:15	Field		BEL0538
Nitrate Nitrogen as NO3N	ND	mg/L	0.1	1	10	12/14/23 13:35	EPA 300.0		BEL0569
Temperature	**25.0**	units	0.0	1		12/13/23 18:44	SM 4500-H+	H	BEL0587
pH	**9.2**	units	1.0	1		12/13/23 18:44	SM 4500-H+	H	BEL0587

DELLAVALLE™
LABORATORY INC

Georgenson Dairy
6775 21st Ave
Lemoore, CA 93245

Account# 00-0025810
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

Received: 12/13/2023 7:00
Reported: 12/20/2023 13:34

Sample Results
(Continued)

Sample: D2+D3
23L0730-02 (Water)

Sampled: 12/12/2023 10:20
Sampled By: Medeiros

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.29**	mmhos/cm	0.01	1		12/13/23 18:46	SM 2510 B		BEL0587
Electrical Conductivity umhos	**294**	umhos/cm	10.0	1		12/13/23 18:46	SM 2510 B		BEL0587
Ammonia (as N)	ND	mg/L	0.00	1		12/12/23 10:20	Field		BEL0538
Nitrate Nitrogen as NO3N	ND	mg/L	0.1	1	10	12/14/23 13:57	EPA 300.0		BEL0569
Temperature	**25.0**	units	0.0	1		12/13/23 18:46	SM 4500-H+	H	BEL0587
pH	**9.2**	units	1.0	1		12/13/23 18:46	SM 4500-H+	H	BEL0587

DELLAVALLE™
LABORATORY INC

Georgenson Dairy
6775 21st Ave
Lemoore, CA 93245

Account# 00-0025810
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

Received: 12/13/2023 7:00
Reported: 12/20/2023 13:34

Quality Control

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0569										
Blank (BEL0569-BLK1)					Prepared & Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Blank (BEL0569-BLK2)					Prepared & Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Blank (BEL0569-BLK3)					Prepared & Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Blank (BEL0569-BLK4)					Prepared & Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
LCS (BEL0569-BS1)					Prepared & Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	5.0		0.1	mg/L	5.000		99.3	90-110		
LCS (BEL0569-BS2)					Prepared & Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	5.2		0.1	mg/L	5.000		103	90-110		
LCS (BEL0569-BS3)					Prepared & Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	4.9		0.1	mg/L	5.000		98.7	90-110		
Duplicate (BEL0569-DUP1)		**Source: 23L0625-01**			Prepared & Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	0.06		0.1	mg/L		0.06			1.77	10
Duplicate (BEL0569-DUP2)		**Source: 23L0674-01**			Prepared & Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	0.06		0.1	mg/L		0.06			0.00	10
Duplicate (BEL0569-DUP3)		**Source: 23L0730-02**			Prepared & Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	0.06		0.1	mg/L		0.05			1.83	10
Matrix Spike (BEL0569-MS1)		**Source: 23L0625-01**			Prepared & Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	5.0		0.1	mg/L	5.000	0.06	98.6	90-110		
Matrix Spike (BEL0569-MS2)		**Source: 23L0674-01**			Prepared & Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	4.8		0.1	mg/L	5.000	0.06	94.2	90-110		
Matrix Spike (BEL0569-MS3)		**Source: 23L0730-02**			Prepared & Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	4.8		0.1	mg/L	5.000	0.05	94.1	90-110		
Reference (BEL0569-SRM1)					Prepared & Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	9.7			mg/L	10.00		97.4	90-110		
Reference (BEL0569-SRM2)					Prepared & Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	9.8			mg/L	10.00		98.4	90-110		

Georgenson Dairy
6775 21st Ave
Lemoore, CA 93245

Account# 00-0025810
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

Received: 12/13/2023 7:00
Reported: 12/20/2023 13:34

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0569 (Continued)										
Reference (BEL0569-SRM3)					Prepared & Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	9.9			mg/L	10.00		99.0	90-110		
Reference (BEL0569-SRM4)					Prepared & Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	10.0			mg/L	10.00		99.7	90-110		

DELLAVALLE™
LABORATORY INC

Georgenson Dairy
6775 21st Ave
Lemoore, CA 93245

Account# 00-0025810
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

Received: 12/13/2023 7:00
Reported: 12/20/2023 13:34

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0587										
Blank (BEL0587-BLK1)					Prepared & Analyzed: 12/13/2023					
Electrical Conductivity	ND		0.01	mmhos/cm						
Temperature	25.0		0.0	units						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
pH	5.5		1.0	units						
Blank (BEL0587-BLK2)					Prepared & Analyzed: 12/13/2023					
Electrical Conductivity	ND		0.01	mmhos/cm						
Temperature	25.0		0.0	units						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
pH	7.3		1.0	units						
Blank (BEL0587-BLK3)					Prepared & Analyzed: 12/13/2023					
Electrical Conductivity	ND		0.01	mmhos/cm						
Temperature	25.0		0.0	units						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
pH	7.7		1.0	units						
Duplicate (BEL0587-DUP1)		**Source: 23L0731-02**			Prepared & Analyzed: 12/13/2023					
Electrical Conductivity	0.34		0.01	mmhos/cm		0.33			0.509	10
pH	7.2		1.0	units		7.3			1.66	10
Electrical Conductivity umhos	335		10.0	umhos/cm		333			0.509	10
Duplicate (BEL0587-DUP2)		**Source: 23L0737-03**			Prepared & Analyzed: 12/13/2023					
Electrical Conductivity	0.68		0.01	mmhos/cm		0.66			3.31	10
Electrical Conductivity umhos	682		10.0	umhos/cm		659			3.31	10
pH	8.3		1.0	units		8.3			0.00	10
Reference (BEL0587-SRM1)					Prepared & Analyzed: 12/13/2023					
Electrical Conductivity	448			umhos/cm	426.0		105	90-110		
Reference (BEL0587-SRM2)					Prepared & Analyzed: 12/13/2023					
pH	7.5			units	7.520		100	67021-101.3		
Reference (BEL0587-SRM3)					Prepared & Analyzed: 12/13/2023					
Electrical Conductivity	1080			umhos/cm	1000		108	90-110		
Electrical Conductivity umhos	1080			umhos/cm	1000		108	90-110		
Reference (BEL0587-SRM4)					Prepared & Analyzed: 12/13/2023					
Electrical Conductivity	1070			umhos/cm	1000		107	90-110		
Electrical Conductivity umhos	1070			umhos/cm	1000		107	90-110		
Reference (BEL0587-SRM5)					Prepared & Analyzed: 12/13/2023					
Electrical Conductivity	1060			umhos/cm	1000		106	90-110		

Georgenson Dairy
6775 21st Ave
Lemoore, CA 93245

Account# 00-0025810
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

Received: 12/13/2023 7:00
Reported: 12/20/2023 13:34

Quality Control
(Continued)

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

12/13/23 07:00 23L0730

DELLAVALLE LABORATORY, INC.

1910 W. McKinley Avenue, Suite 110 • Fresno, CA 93728
www.dellavallelab.com 559 233-6129 • 800 228-9896 • Fax 559 268-8174

Bill To: Acct No. 25810 Cons. 8

No. of Samples 2 No. Bottles 2

Purchase Order No. _____ Results Needed By _____

Water Type:
- [x] Ag Water
- [ ] Supply Water
- [ ] Drinking
- [ ] Ground Water
- [ ] Other
- [ ] Wastewater
- [ ] Mon. Well

Client: **Georgenson Dairy**
Address: 6775 21st Ave
City, State, Zip: Lemoore, CA 93245
Email: Mendesandtostedairy@gmail.com

Copy to: mel_tinamedeiros@yahoo.com

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

Facility: _____

Date sampled _____

Sampled by Medeiros

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

Analysis and Bottles Required: *(Please Indicate Analysis)*

- [x] EC, NO_3-N
  (1) l L plastic, unpreserved (white)
- [ ] DWW1: (EC, pH, NO_3-N, **NH_4-N Field Test)**
  (1) l L plastic, unpreserved (white)
- [ ] DWW2: (DWW1 Plus SO_4, CO_3, HCO_3, Cl, Ca, Mg, Na, TDS)
  (1) l L plastic, unpreserved (white)
- [ ] DCW1: (EC, NO_3-N, TDS)
  (1) l L plastic, unpreserved (white)
- [ ] DPW1: (EC, pH, NO_3-N, NH_4-N, TKN, TDS, TP, TK)
  (1) l L plastic, unpreserved (white)
- [ ] DPW2: (DPW1 Plus Ca, Mg, Na, HCO_3, CO_3, SO_4, Cl)
  (1) l L plastic, unpreserved (white)
- [ ] Other _____

DESCRIPTION OF SAMPLES

		Date Sampled	Time Sampled	Field NH4-N (mg/L)	Received Temp °C
1. D1	Sampled From:	12/12/23	10:15AM	0	15.8 / -0.8
2. D2 & D3	Sampled From:	"	10:20AM	0	16.4 / -1.1
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: 200560723
Correction Factor: 0°C
Calibration Due: 03/06/2024
Location: Laboratory

IR Thermometer SN: 221511276
Correction Factor: 0°C
Calibration Due: 03/06/2024
Location: Hanford

CHAIN OF CUSTODY

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First				12/12/23 11:38AM
Second		DLI	12/12/23 11:32AM	
Third				
Fourth		DLI	12/13 0755	

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 prties 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, reasonble attorneys' fees of Dellavalle Laboratory.

Invoicing Information:
Medeiros Pricing 2023
Sampling Hrs ___ Miles ___ Consulting ___

Shipping
$ _____ In
$ _____ Out

Amt Paid ___ Rec By ___ Check No. ___ Date ___

Signature _____

Sample received in cooler with ice?
[ ] Yes [ ] No

ctt:update 2020

12/13/23 07:00 23L0730

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

☐ Samples refridgerated before pick up ☐ Picked up samples placed in Ice chest

Container: Ice Chest ☑ Box ☐ None ☐ **Refrigerant:** Wet Ice ☑ Blue Ice ☐ None ☐

Samples Preserved with HNO_3 or H_2SO_4 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 $Na_2S_2O_3$ (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO_3 (Red) Plastic										
	* pH Value										
	250 mL H_2SO_4 (Yellow) Plastic										
	* pH Value										
	500 mL unpreserved (White) Plastic										
	1 L unpreserved (White) Plastic	1	1								
	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 $Na_2S_2O_3$ (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO_3 (Red) Plastic										
	250 mL H_2SO_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, $Na_2S_2O_3$ + MCAA (EPA531)										
	40 mL VOA, $Na_2S_2O_3$ (EPA547)										
	40mL AG VOA unpreserved (White) (Set of 3)										
	40 mL AG VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
	40mL VOA, H_3PO_4 (Set of 3)										
	40 mL VOA, HCl (Blue) (Set of 3)										
	40 mL VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
Glass	250 mL AG unpreserved (White)										
	250 mL AG H_2SO_4 (Yellow)										
	250 mL AG $Na_2S_2O_3$ (Green)										
	250 mL AG $Na_2S_2O_3$ + MCAA										
	500 mL glass unpreserved (White)										
	500 mL AG HCl (Blue)										
	1 L AG unpreserved (White)										
	1 L AG H_2SO_4 (Yellow)										
	1 L AG $Na_2S_2O_3$ (Green)										
	1 L AG HCl (Blue)										
Special	Cr^{6+} - 50mL Plastic w/Borate/HCO_3/CO_3										
	Cyanide - 500 mL NaOH										
	Asbestos - 1L P wrapped in foil (Set of 2)										
	Sulfide - 1 L **AG** or **P** NaOH + ZnAc										
	Chlorite/Bromate - 250 mL AG with EDA										
	HAA5 - 250mL AG Ammonium Chlorite										
	DO KIT										
	Other:										
	Other:										

12/13/23 07:00 23L0730

DELLAVALLE LABORATORY, INC.

1910 W. McKinley Avenue, Suite 110 • Fresno, CA 93728
www.dellavallelab.com 559 233-6129 • 800 228-9896 • Fax 559 268-8174

Bill To: Acct No. 25810 Cons. 8

No. of Samples 2 No. Bottles 2

Purchase Order No. _____ Results Needed By _____

Water Type:
- [x] Ag Water
- [ ] Supply Water
- [ ] Drinking
- [ ] Ground Water
- [ ] Other
- [ ] Wastewater
- [ ] Mon. Well

Client: **Georgenson Dairy**
Address: 6775 21st Ave
City, State, Zip: Lemoore, CA 93245
Email: Mendesandtostedairy@gmail.com

Copy to: mel_tinamedeiros@yahoo.com

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

Facility: _____

Date sampled _____

Sampled by Medeiros

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

Analysis and Bottles Required: *(Please Indicate Analysis)*

- [x] EC, NO_3-N
  (1) l L plastic, unpreserved (white)
- [ ] DWW1: (EC, pH, NO_3-N, **NH_4-N Field Test)**
  (1) l L plastic, unpreserved (white)
- [ ] DWW2: (DWW1 Plus SO_4, CO_3, HCO_3, Cl, Ca, Mg, Na, TDS)
  (1) l L plastic, unpreserved (white)
- [ ] DCW1: (EC, NO_3-N, TDS)
  (1) l L plastic, unpreserved (white)
- [ ] DPW1: (EC, pH, NO_3-N, NH_4-N, TKN, TDS, TP, TK)
  (1) l L plastic, unpreserved (white)
- [ ] DPW2: (DPW1 Plus Ca, Mg, Na, HCO_3, CO_3, SO_4, Cl)
  (1) l L plastic, unpreserved (white)
- [ ] Other _____

DESCRIPTION OF SAMPLES		Date Sampled	Time Sampled	Field NH4-N (mg/L)	Received Temp °C
1. D1	Sampled From:	12/12/23	10:15AM	0	15.8 / -0.8
2. D2 & D3	Sampled From:	"	10:20AM	0	16.4 / -1.1
3.	Sampled From:				
4.	Sampled From:				
5.	Sampled From:				
6.	Sampled From:				
7.	Sampled From:				
8.	Sampled From:				
9.	Sampled From:				
10.	Sampled From:				

H/E

IR Thermometer SN: 200560723
Correction Factor: 0°C
Calibration Due: 03/06/2024
Location: Laboratory

IR Thermometer SN: 221511276
Correction Factor: 0°C
Calibration Due: 03/06/2024
Location: Hanford

CHAIN OF CUSTODY

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First				12/12/23 11:38AM
Second		DLL	12/12/23 11:32AM	
Third				
Fourth		DLL	12/13 0755	

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 prties 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, reasonble attorneys' fees of Dellavalle Laboratory.

Invoicing Information:
Medeiros Pricing 2023
Sampling Hrs ___ Miles ___ Consulting ___

Shipping
$ _____ In
$ _____ Out

Amt Paid ___ Rec By ___ Check No. ___ Date ___

Signature _____

Sample received in cooler with ice?
[ ] Yes [ ] No

ctt:update 2020

12/13/23 07:00 23L0730

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

☐ Samples refridgerated before pick up ☐ Picked up samples placed in Ice chest

Container: Ice Chest ☑ Box ☐ None ☐ **Refrigerant:** Wet Ice ☑ Blue Ice ☐ None ☐

Samples Preserved with HNO_3 or H_2SO_4 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 $Na_2S_2O_3$ (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO_3 (Red) Plastic										
	* pH Value										
	250 mL H_2SO_4 (Yellow) Plastic										
	* pH Value										
	500 mL unpreserved (White) Plastic										
	1 L unpreserved (White) Plastic	1	1								
	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 $Na_2S_2O_3$ (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO_3 (Red) Plastic										
	250 mL H_2SO_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, $Na_2S_2O_3$ + MCAA (EPA531)										
	40 mL VOA, $Na_2S_2O_3$ (EPA547)										
	40mL AG VOA unpreserved (White) (Set of 3)										
	40 mL AG VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
	40mL VOA, H_3PO_4 (Set of 3)										
	40 mL VOA, HCl (Blue) (Set of 3)										
	40 mL VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
Glass	250 mL AG unpreserved (White)										
	250 mL AG H_2SO_4 (Yellow)										
	250 mL AG $Na_2S_2O_3$ (Green)										
	250 mL AG $Na_2S_2O_3$ + MCAA										
	500 mL glass unpreserved (White)										
	500 mL AG HCl (Blue)										
	1 L AG unpreserved (White)										
	1 L AG H_2SO_4 (Yellow)										
	1 L AG $Na_2S_2O_3$ (Green)										
	1 L AG HCl (Blue)										
Special	Cr^{6+} - 50mL Plastic w/Borate/HCO_3/CO_3										
	Cyanide - 500 mL NaOH										
	Asbestos - 1L P wrapped in foil (Set of 2)										
	Sulfide - 1 L **AG** or **P** NaOH + ZnAc										
	Chlorite/Bromate - 250 mL AG with EDA										
	HAA5 - 250mL AG Ammonium Chlorite										
	DO KIT										
	Other:										
	Other:										

DELLAVALLE™
LABORATORY INC

Georgenson Dairy
6775 21st Ave
Lemoore, CA 93245

Account# 00-0025810
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

Received: 08/17/2023 8:34
Reported: 08/21/2023 15:07

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23H1603-01	Canal	Ag Water			08/16/2023 15:30

Default Cooler Temperature on Receipt °C: 0.4
Containers Intact
COC/Labels Agree
Received On Ice

Notes and Definitions

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

Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

DELLAVALLE™
LABORATORY INC

Georgenson Dairy
6775 21st Ave
Lemoore, CA 93245

Account# 00-0025810
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

Received: 08/17/2023 8:34
Reported: 08/21/2023 15:07

Sample Results

Sample: Canal
23H1603-01 (Water)

Sampled: 8/16/2023 15:30
Sampled By:

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.02**	mmhos/cm	0.01	1		08/18/23 17:54	SM 2510 B		BEH0919
Nitrate Nitrogen as NO3N	ND	mg/L	0.1	1	10	08/18/23 12:49	EPA 300.0		BEH0887

DELLAVALLE™
LABORATORY INC

Georgenson Dairy
6775 21st Ave
Lemoore, CA 93245

Account# 00-0025810
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

Received: 08/17/2023 8:34
Reported: 08/21/2023 15:07

Quality Control

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0887										
Blank (BEH0887-BLK1)					Prepared: 8/17/2023 Analyzed: 8/18/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Blank (BEH0887-BLK2)					Prepared: 8/17/2023 Analyzed: 8/18/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
LCS (BEH0887-BS1)					Prepared: 8/17/2023 Analyzed: 8/18/2023					
Nitrate Nitrogen as NO3N	5.1		0.1	mg/L	5.000		102	90-110		
Duplicate (BEH0887-DUP1)		**Source: 23H1614-01**			Prepared: 8/17/2023 Analyzed: 8/18/2023					
Nitrate Nitrogen as NO3N	0.7		0.1	mg/L		0.7			0.151	10
Matrix Spike (BEH0887-MS1)		**Source: 23H1614-01**			Prepared: 8/17/2023 Analyzed: 8/18/2023					
Nitrate Nitrogen as NO3N	6.0		0.1	mg/L	5.000	0.7	106	90-110		
Reference (BEH0887-SRM1)					Prepared: 8/17/2023 Analyzed: 8/18/2023					
Nitrate Nitrogen as NO3N	10.2			mg/L	10.00		102	90-110		
Reference (BEH0887-SRM2)					Prepared: 8/17/2023 Analyzed: 8/18/2023					
Nitrate Nitrogen as NO3N	10.2			mg/L	10.00		102	90-110		

DELLAVALLE™
LABORATORY INC

Georgenson Dairy
6775 21st Ave
Lemoore, CA 93245

Account# 00-0025810
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

Received: 08/17/2023 8:34
Reported: 08/21/2023 15:07

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0919										
Blank (BEH0919-BLK1)					Prepared: 8/17/2023 Analyzed: 8/18/2023					
Electrical Conductivity	ND		0.01	mmhos/cm						
Blank (BEH0919-BLK2)					Prepared: 8/17/2023 Analyzed: 8/18/2023					
Electrical Conductivity	ND		0.01	mmhos/cm						
Blank (BEH0919-BLK3)					Prepared: 8/17/2023 Analyzed: 8/18/2023					
Electrical Conductivity	ND		0.01	mmhos/cm						
Duplicate (BEH0919-DUP1)		**Source: 23H1632-01**			Prepared: 8/17/2023 Analyzed: 8/18/2023					
Electrical Conductivity	0.02		0.01	mmhos/cm		0.02			6.30	10
Duplicate (BEH0919-DUP2)		**Source: 23H1667-01**			Prepared: 8/17/2023 Analyzed: 8/18/2023					
Electrical Conductivity	0.47		0.01	mmhos/cm		0.47			0.466	10
Reference (BEH0919-SRM1)					Prepared: 8/17/2023 Analyzed: 8/18/2023					
Electrical Conductivity	517			umhos/cm	538.0		96.1	90-110		
Reference (BEH0919-SRM3)					Prepared: 8/17/2023 Analyzed: 8/18/2023					
Electrical Conductivity	981			umhos/cm	1000		98.1	90-110		
Reference (BEH0919-SRM4)					Prepared: 8/17/2023 Analyzed: 8/18/2023					
Electrical Conductivity	990			umhos/cm	1000		99.0	90-110		
Reference (BEH0919-SRM5)					Prepared: 8/17/2023 Analyzed: 8/18/2023					
Electrical Conductivity	994			umhos/cm	1000		99.4	90-110		

08/17/23 08:34 23H1603

AM

WATER WORK REQUEST

DELLAVALLE LABORATORY, INC.

1910 W. McKinley Avenue, Suite 110 • Fresno, CA 93728
www.dellavallelab.com 559 233-6126 • 800 228-9896 • Fax 559 268-8174

Acct No. / Cons.
Bill To: 25810 / 8

No. of Samples 1 No. Bottles 1

Purchase Order No. ____ Results Needed By ____

Water Type:
- [x] Ag Water
- [ ] Supply Water
- [ ] Drinking
- [ ] Ground Water
- [ ] Other ____
- [ ] Wastewater
- [ ] Mon. Well

Client: **Georgenson Dairy**
Address: 6775 21st Ave
City, State, Zip: Lemoore, CA 93245
Email: Mendesandtostedairy@gmail.com

Copy to: mel_tinamedeiros@yahoo.com

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

Facility: ____

Date sampled ____

Sampled by ____

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

Analysis and Bottles Required: *(Please Indicate Analysis)*

- [x] EC, NO_3-N
  (1) 1 L plastic, unpreserved (white)
- [ ] DWW1: (EC, pH, NO_3-N, **NH_4-N Field Test**)
  (1) 1 L plastic, unpreserved (white)
- [ ] DWW2: (DWW1 Plus SO_4, CO_3, HCO_3, Cl, Ca, Mg, Na, TDS)
  (1) 1 L plastic, unpreserved (white)
- [ ] DCW1: (EC, NO_3-N, TDS)
  (1) 1 L plastic, unpreserved (white)
- [ ] DPW1: (EC, pH, NO_3-N, NH_4-N, TKN, TDS, TP, TK)
  (1) 1 L plastic, unpreserved (white)
- [ ] DPW2: (DPW1 Plus Ca, Mg, Na, HCO_3, CO_3, SO_4, Cl)
  (1) 1 L plastic, unpreserved (white)
- [ ] Other ____

DESCRIPTION OF SAMPLES

		Date Sampled	Time Sampled	Field NH4-N (mg/L)	Received Temp °C
1. (GWN)	Sampled From:	8/16/23	3:30pm		0.4
2.	Sampled From:				
3.	Sampled From:				
4.	Sampled From:				
5.	Sampled From:				
6.	Sampled From:				
7.	Sampled From:				
8.	Sampled From:				
9.	Sampled From:				
10.	Sampled From:				

CHAIN OF CUSTODY

	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First		Med Enviro		8/16/23 4:35pm
Second		DLI	8/16/23 4:35pm	8/16/23
Third	MM	DLI	8/17/23 8:34	
Fourth				

I guarantee that as the client, or on behalf of the client named, I have the authority to contract the above requested services. Should it be found that I do not have such authority, I agree to be personally liable for all costs and, if there should be action against me for this breach, reasonable attorneys' fees. It is understood that payment is expected to be cash with samples unless terms have been previously arranged. Terms are net 30 days; overdue accounts will be charged a dated damage fee of 2% per month (annually 24 %) or $5.00 per month whichever is greater.
If payment is not made when due and a legitimate dispute exists concerning the product or services of Dellavalle Laboratory, Inc., it will be submitted to mediation under the Rules and Procedures of Creative Alternative to Litigation, Inc. (cal). If the dispute is not resolved in mediation, then the dispute will be submitted to binding arbitration through cal under its Rules and Procedures. The prties 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:
Medeiros Pricing 2023
Sampling Hrs ____ Miles ____ Consulting ____
Amt Paid ____ Rec By ____ Check No. ____

Shipping
$ ____ In
$ ____ Out
Date ____

Signature ____

Sample received in cooler with ice?
[ ] Yes [ ] No

ctt:update 2020

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

08/17/23 08:34 23H1603

AW

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 HNO_3 or H_2SO_4 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 $Na_2S_2O_3$ (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO_3 (Red) Plastic										
	* pH Value										
	250 mL H_2SO_4 (Yellow) Plastic										
	* pH Value										
	500 mL unpreserved (White) Plastic										
	1 L unpreserved (White) Plastic	1									
	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 $Na_2S_2O_3$ (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO_3 (Red) Plastic										
	250 mL H_2SO_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, $Na_2S_2O_3$ + MCAA (EPA531)										
	40 mL VOA, $Na_2S_2O_3$ (EPA547)										
	40mL AG VOA unpreserved (White) (Set of 3)										
	40 mL AG VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
	40mL VOA, H_3PO_4 (Set of 3)										
	40 mL VOA, HCl (Blue) (Set of 3)										
	40 mL VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
Glass	250 mL AG unpreserved (White)										
	250 mL AG H_2SO_4 (Yellow)										
	250 mL AG $Na_2S_2O_3$ (Green)										
	250 mL AG $Na_2S_2O_3$ + MCAA										
	500 mL glass unpreserved (White)										
	500 mL AG HCl (Blue)										
	1 L AG unpreserved (White)										
	1 L AG H_2SO_4 (Yellow)										
	1 L AG $Na_2S_2O_3$ (Green)										
	1 L AG HCl (Blue)										
Special	Cr^{6+} - 50mL Plastic w/Borate/HCO_3/CO_3										
	Cyanide - 500 mL NaOH										
	Asbestos - 1L P wrapped in foil (Set of 2)										
	Sulfide - 1 L **AG** or **P** NaOH + ZnAc										
	Chlorite/Bromate - 250 mL AG with EDA										
	HAA5 - 250mL AG Ammonium Chlorite										
	DO KIT										
	Other:										