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: Mello D Jerseys

Physical address of dairy:

14803 Grangeville BLVD	Hanford	Kings	93230
Number and Street	City	County	Zip Code

Street and nearest cross street (if no address):

Date facility was originally placed in operation: 01/01/1947

Regional Water Quality Control Board Basin Plan designation: Tulare Basin

County Assessor Parcel Number(s) for dairy facility:

0005-0060-0002-0000

B. OPERATORS

Brown, Randy

Operator name: Brown, Randy Telephone no.: (559) 779-0441 (Landline) (Cellular)

8550 15th AVE	Hanford	CA	93230
Mailing Address Number and Street	City	State	Zip Code

Mello, Jason

Operator name: Mello, Jason Telephone no.: (559) 469-7037 (Landline) (Cellular)

9635 16th AVE	Hanford	CA	93230
Mailing Address Number and Street	City	State	Zip Code

This operator is responsible for paying permit fees.

C. OWNERS

Brown, Randy

Legal owner name: Brown, Randy Telephone no.: (559) 779-0441 (Landline) (Cellular)

8550 15th AVE	Hanford	CA	93230
Mailing Address Number and Street	City	State	Zip Code

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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	0	100	0	0	0	0
Number under roof	888	0	0	0	0	0
Maximum number	888	100	0	0	0	0
Average number	888	100	0	0	0	0
Avg live weight (lbs)	1,200	1,000	0	0		

Predominant milk cow breed: Jersey

Average milk production: 66 *pounds per cow per day*

B. MANURE GENERATED

Total manure excreted by the herd: 23,639.50 *tons per reporting period*

Total nitrogen from manure: 310,617.13 *lbs per reporting period*

After ammonia losses (30% loss applied): 217,431.99 *lbs per reporting period*

Total phosphorus from manure: 51,825.54 *lbs per reporting period*

Total potassium from manure: 167,726.53 *lbs per reporting period*

Total salt from manure: 441,109.80 *lbs per reporting period*

C. PROCESS WASTEWATER GENERATED

Process wastewater generated: 48,630,000 *gallons*

Total nitrogen generated: 160,581.19 *lbs*

Total phosphorus generated: 9,255.18 *lbs*

Total potassium generated: 110,808.69 *lbs*

Total salt generated: 694,653.41 *lbs*

	48,630,000	*gallons applied*
+	0	*gallons exported*
-	0	*gallons imported*
=	48,630,000	*gallons generated*

D. FRESH WATER SOURCES

Source Description	Type
Canal	Surface water
D1&D2	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

No solid nutrient exports entered.

No liquid nutrient exports entered.

APPLICATION AREA

A. LIST OF LAND APPLICATION AREAS

Field name	Controlled acres	Cropable acres	Total harvests	Type of waste applied	Parcel number
20-24	220	220	0	none	X014-X050-X001-XXXX
Field 1	7	7	1	process wastewater	X005-X060-X002-XXXX
Field 11	18	18	0	none	X018-X011-X002-XXXX
Field 12	24	24	0	none	X018-X011-X002-XXXX
Field 13	37	37	0	none	X018-X011-X002-XXXX
Field 14	39	39	0	none	X018-X022-X002-XXXX
Field 15	39	39	0	none	X018-X011-X002-XXXX
Field 16	39	39	0	none	X018-X011-X002-XXXX
Field 17	38	38	0	none	X018-X011-X002-XXXX
Field 18	61	61	0	none	X004-X172-X022-XXXX
Field 19	40	40	0	none	X004-X172-X011-XXXX
Field 2	33	33	2	process wastewater	X005-X060-X002-XXXX
Field 3	20	20	1	process wastewater	X005-X060-X002-XXXX
Field 4	22	22	1	process wastewater	X005-X060-X005-XXXX
Field 5	30	30	0	none	X005-X060-X005-XXXX
Field 6	39	39	0	none	X005-X060-X026-XXXX
Field 7	38	38	2	process wastewater	X005-X060-X022-XXXX
Field 8	86	86	2	process wastewater	X005-X080-X008-XXXX
Field 9 & 10	45	45	1	process wastewater	X005-X030-X032-XXXX
Totals for areas that were used for application	251	251	10		
Totals for areas that were not used for application	624	624	0		
Land application area totals	875	875	10		

B. CROPS AND HARVESTS

Field 1

Field name: Field 1

Field 1

04/20/2023: Corn, silage

Crop: Corn, silage Acres planted: 7 Plant date: 04/20/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
08/30/2023	178.50 *ton*	Dry-weight		65.0	20,300.00	3,200.00	22,600.00		7.77

	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	25.50	362.36	57.12	403.41	1,386.95

Field 2

Field name: Field 2

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

Crop: Wheat, silage, boot stage Acres planted: 33 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 (%)
05/26/2023	726.00 *ton*	Dry-weight		60.5	24,300.00	4,100.00	28,500.00		12.39

	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	22.00	422.33	71.26	495.33	2,153.38

06/01/2023: Corn, silage

Crop: Corn, silage Acres planted: 33 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 (%)
10/16/2023	759.00 *ton*	Dry-weight		68.8	20,800.00	3,000.00	20,300.00		7.23

	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	23.00	298.52	43.06	291.35	1,037.65

Field 3

Field name: Field 3

04/15/2023: Corn, silage

Crop: Corn, silage Acres planted: 20 Plant date: 04/15/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
08/18/2023	596.00 *ton*	Dry-weight		71.3	21,700.00	2,700.00	15,100.00		7.41

	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	29.80	371.18	46.18	258.29	1,267.50

Field 4

Field name: Field 4

04/15/2023: Corn, silage

Crop: Corn, silage Acres planted: 22 Plant date: 04/15/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
08/18/2023	689.20 *ton*	Dry-weight		65.2	16,300.00	2,700.00	18,800.00		7.53

	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	31.33	355.40	58.87	409.91	1,641.82

Field 7

Field name: Field 7

Field 7

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

Crop: Wheat, silage, boot stage Acres planted: 38 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 (%)
05/23/2023	915.80 *ton*	Dry-weight		65.6	18,000.00	3,000.00	20,000.00		7.06

	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	24.10	298.45	49.74	331.62	1,170.60

06/01/2023: Corn, silage

Crop: Corn, silage Acres planted: 38 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 (%)
11/03/2023	1,102.50 *ton*	Dry-weight		68.1	19,800.00	3,300.00	14,300.00		5.79

	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	29.01	366.51	61.08	264.70	1,071.75

Field 8

Field name: Field 8

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

Crop: Wheat, silage, boot stage Acres planted: 86 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 (%)
05/26/2023	1,849.00 *ton*	Dry-weight		67.1	20,700.00	3,600.00	30,500.00		8.06

	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	21.50	292.84	50.93	431.48	1,140.25

Field 8

06/01/2023: Corn, silage

Crop: Corn, silage Acres planted: 86 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 (%)
10/16/2023	2,408.00 *ton*	Dry-weight		65.5	20,500.00	2,600.00	14,100.00		5.86

	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	28.00	396.06	50.23	272.41	1,132.15

Field 9 & 10

Field name: Field 9 & 10

04/20/2023: Corn, silage

Crop: Corn, silage Acres planted: 45 Plant date: 04/20/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
08/30/2023	1,125.00 *ton*	Dry-weight		65.7	19,500.00	2,400.00	18,500.00		5.96

	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	25.00	334.43	41.16	317.28	1,022.14

NUTRIENT BUDGET

A. LAND APPLICATIONS

Field 1 - 04/20/2023: Corn, silage

Field name: Field 1

Crop: Corn, silage Plant date: 04/20/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/25/2023	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	14.66	1,025,000.00 *gal*
Application event totals		0.00	0.00	0.00	14.66	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/05/2023	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
Canal	Surface water	0.00	0.00	0.00	14.66	1,025,000.00 *gal*
Application event totals		0.00	0.00	0.00	14.66	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/15/2023	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	153.03	1.58	11.31	142.70	475,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	14.66	1,025,000.00 *gal*
Application event totals		153.03	1.58	11.31	157.36	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/25/2023	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	14.66	1,025,000.00 *gal*
Application event totals		0.00	0.00	0.00	14.66	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/05/2023	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	153.03	1.58	11.31	142.70	475,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	14.66	1,025,000.00 *gal*
Application event totals		153.03	1.58	11.31	157.36	

Field 1 - 04/20/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/15/2023	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	14.66	1,025,000.00 *gal*
Application event totals		0.00	0.00	0.00	14.66	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/25/2023	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	153.03	1.58	11.31	142.70	475,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	14.66	1,025,000.00 *gal*
Application event totals		153.03	1.58	11.31	157.36	

Field 2 - 11/01/2022: Wheat, silage, boot stage

Field name: Field 2

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
12/25/2022	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	121.55	9.57	122.75	675.40	650,000.00 *gal*
Application event totals		121.55	9.57	122.75	675.40	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
01/22/2023	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	215.05	16.93	217.18	1,194.94	1,150,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	8.35	2,750,000.00 *gal*
Application event totals		215.05	16.93	217.18	1,203.29	

Field 2 - 11/01/2022: Wheat, silage, boot stage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
02/18/2023	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	8.35	2,750,000.00 *gal*
Application event totals		0.00	0.00	0.00	8.35	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
03/25/2023	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	215.05	16.93	217.18	1,194.94	1,150,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	8.35	2,750,000.00 *gal*
Application event totals		215.05	16.93	217.18	1,203.29	

Field 2 - 06/01/2023: Corn, silage

Field name: Field 2

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

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/02/2023	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	14.41	4,750,000.00 *gal*
Application event totals		0.00	0.00	0.00	14.41	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/12/2023	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
WW	Process wastewater	85.43	0.88	6.32	79.66	1,250,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	14.41	4,750,000.00 *gal*
Application event totals		85.43	0.88	6.32	94.07	

Field 2 - 06/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/22/2023	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	14.41	4,750,000.00 *gal*
Application event totals		0.00	0.00	0.00	14.41	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/02/2023	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	85.43	0.88	6.32	79.66	1,250,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	14.41	4,750,000.00 *gal*
Application event totals		85.43	0.88	6.32	94.07	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/12/2023	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
WW	Process wastewater	85.43	0.88	6.32	79.66	1,250,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	14.41	4,750,000.00 *gal*
Application event totals		85.43	0.88	6.32	94.07	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/22/2023	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	127.17	14.29	166.85	1,122.15	1,250,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	14.41	4,750,000.00 *gal*
Application event totals		127.17	14.29	166.85	1,136.56	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
09/02/2023	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	14.41	4,750,000.00 *gal*
Application event totals		0.00	0.00	0.00	14.41	

Field 3 - 04/15/2023: Corn, silage

Field name: Field 3

Crop: Corn, silage Plant date: 04/15/2023

Field 3 - 04/15/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/18/2023	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	14.42	2,880,000.00 *gal*
Application event totals		0.00	0.00	0.00	14.42	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/28/2023	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	118.96	1.23	8.80	110.93	1,055,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	14.42	2,880,000.00 *gal*
Application event totals		118.96	1.23	8.80	125.35	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/08/2023	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	14.42	2,880,000.00 *gal*
Application event totals		0.00	0.00	0.00	14.42	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/18/2023	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	118.96	1.23	8.80	110.93	1,055,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	14.42	2,880,000.00 *gal*
Application event totals		118.96	1.23	8.80	125.35	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/28/2023	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	14.42	2,880,000.00 *gal*
Application event totals		0.00	0.00	0.00	14.42	

Field 3 - 04/15/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/08/2023	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	177.09	19.91	232.36	1,562.71	1,055,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	14.42	2,880,000.00 *gal*
Application event totals		177.09	19.91	232.36	1,577.13	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/18/2023	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	14.42	2,880,000.00 *gal*
Application event totals		0.00	0.00	0.00	14.42	

Field 4 - 04/15/2023: Corn, silage

Field name: Field 4

Crop: Corn, silage Plant date: 04/15/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/16/2023	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	14.79	3,250,000.00 *gal*
Application event totals		0.00	0.00	0.00	14.79	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/26/2023	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	90.72	0.94	6.71	84.60	885,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	14.79	3,250,000.00 *gal*
Application event totals		90.72	0.94	6.71	99.39	

Field 4 - 04/15/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/06/2023	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
Canal	Surface water	0.00	0.00	0.00	14.79	3,250,000.00 *gal*
Application event totals		0.00	0.00	0.00	14.79	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/16/2023	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	90.72	0.94	6.71	84.60	885,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	14.79	3,250,000.00 *gal*
Application event totals		90.72	0.94	6.71	99.39	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/26/2023	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	90.72	0.94	6.71	84.60	885,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	14.79	3,250,000.00 *gal*
Application event totals		90.72	0.94	6.71	99.39	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/06/2023	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	135.05	15.18	177.20	1,191.72	885,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	14.79	3,250,000.00 *gal*
Application event totals		135.05	15.18	177.20	1,206.52	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/16/2023	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	14.79	3,250,000.00 *gal*
Application event totals		0.00	0.00	0.00	14.79	

Field 4 - 04/15/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/26/2023	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	14.79	3,250,000.00 *gal*
Application event totals		0.00	0.00	0.00	14.79	

Field 7 - 11/01/2022: Wheat, silage, boot stage

Field name: Field 7

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
12/23/2022	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	170.52	13.42	172.20	947.48	1,050,000.00 *gal*
Application event totals		170.52	13.42	172.20	947.48	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
01/18/2023	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	12.52	4,750,000.00 *gal*
Application event totals		0.00	0.00	0.00	12.52	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
02/21/2023	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	170.52	13.42	172.20	947.48	1,050,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	12.52	4,750,000.00 *gal*
Application event totals		170.52	13.42	172.20	959.99	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
03/20/2023	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	12.52	4,750,000.00 *gal*
Application event totals		0.00	0.00	0.00	12.52	

Field 7 - 06/01/2023: Corn, silage

Field name: Field 7

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

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/03/2023	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	12.52	4,750,000.00 *gal*
Application event totals		0.00	0.00	0.00	12.52	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/13/2023	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	74.19	0.77	5.48	69.18	1,250,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	12.52	4,750,000.00 *gal*
Application event totals		74.19	0.77	5.48	81.69	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/23/2023	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	74.19	0.77	5.48	69.18	1,250,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	12.52	4,750,000.00 *gal*
Application event totals		74.19	0.77	5.48	81.69	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/03/2023	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	74.19	0.77	5.48	69.18	1,250,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	12.52	4,750,000.00 *gal*
Application event totals		74.19	0.77	5.48	81.69	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/13/2023	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	74.19	0.77	5.48	69.18	1,250,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	12.52	4,750,000.00 *gal*
Application event totals		74.19	0.77	5.48	81.69	

Field 7 - 06/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/23/2023	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	110.43	12.41	144.90	974.50	1,250,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	12.52	4,750,000.00 *gal*
Application event totals		110.43	12.41	144.90	987.02	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
09/03/2023	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	12.52	4,750,000.00 *gal*
Application event totals		0.00	0.00	0.00	12.52	

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
12/21/2022	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	95.08	7.49	96.02	528.30	1,325,000.00 *gal*
Application event totals		95.08	7.49	96.02	528.30	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
01/28/2023	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	95.08	7.49	96.02	528.30	1,325,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	5.68	4,880,000.00 *gal*
Application event totals		95.08	7.49	96.02	533.98	

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

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
02/26/2023	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	95.08	7.49	96.02	528.30	1,325,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	5.68	4,880,000.00 *gal*
Application event totals		95.08	7.49	96.02	533.98	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
03/25/2023	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	95.08	7.49	96.02	528.30	1,325,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	5.68	4,880,000.00 *gal*
Application event totals		95.08	7.49	96.02	533.98	

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
06/29/2023	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	13.95	11,976,000.00 *gal*
Application event totals		0.00	0.00	0.00	13.95	

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	67.66	0.70	5.00	63.09	2,580,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	13.95	11,976,000.00 *gal*
Application event totals		67.66	0.70	5.00	77.03	

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

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
WW	Process wastewater	67.66	0.70	5.00	63.09	2,580,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	13.95	11,976,000.00 *gal*
Application event totals		67.66	0.70	5.00	77.03	

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
WW	Process wastewater	67.66	0.70	5.00	63.09	2,580,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	13.95	11,976,000.00 *gal*
Application event totals		67.66	0.70	5.00	77.03	

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	67.66	0.70	5.00	63.09	2,580,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	13.95	11,976,000.00 *gal*
Application event totals		67.66	0.70	5.00	77.03	

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
WW	Process wastewater	100.72	11.32	132.15	888.74	2,580,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	13.95	11,976,000.00 *gal*
Application event totals		100.72	11.32	132.15	902.69	

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	13.95	11,976,000.00 *gal*
Application event totals		0.00	0.00	0.00	13.95	

Field 9 & 10 - 04/20/2023: Corn, silage

Field 9 & 10 - 04/20/2023: Corn, silage

Field name: Field 9 & 10

Crop: Corn, silage Plant date: 04/20/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/22/2023	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	15.31	6,880,000.00 *gal*
Application event totals		0.00	0.00	0.00	15.31	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/02/2023	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	60.14	0.62	4.45	56.08	1,200,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	15.31	6,880,000.00 *gal*
Application event totals		60.14	0.62	4.45	71.39	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/12/2023	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
WW	Process wastewater	60.14	0.62	4.45	56.08	1,200,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	15.31	6,880,000.00 *gal*
Application event totals		60.14	0.62	4.45	71.39	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/22/2023	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	60.14	0.62	4.45	56.08	1,200,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	15.31	6,880,000.00 *gal*
Application event totals		60.14	0.62	4.45	71.39	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/02/2023	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	89.53	10.06	117.46	789.99	1,200,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	15.31	6,880,000.00 *gal*
Application event totals		89.53	10.06	117.46	805.30	

Field 9 & 10 - 04/20/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/12/2023	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
WW	Process wastewater	89.53	10.06	117.46	789.99	1,200,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	15.31	6,880,000.00 *gal*
Application event totals		89.53	10.06	117.46	805.30	

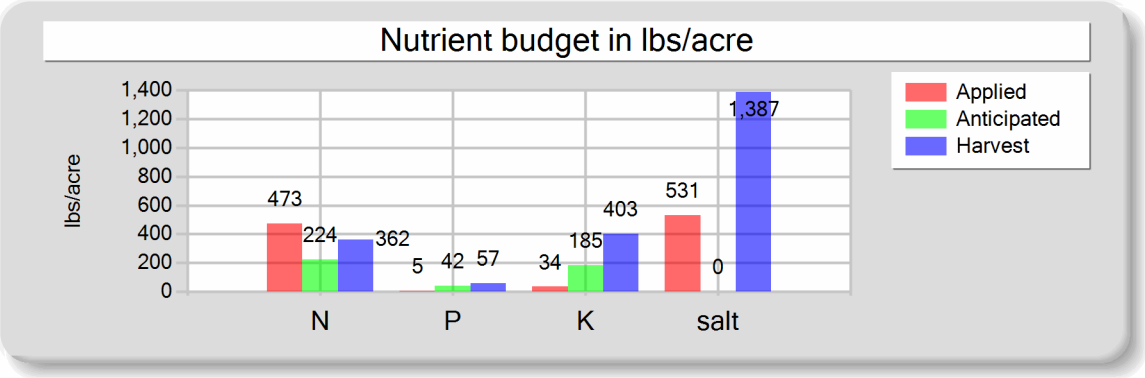
Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/22/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

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	15.31	6,880,000.00 *gal*
Application event totals		0.00	0.00	0.00	15.31	

B. NUTRIENT BUDGET

Field 1 - 04/20/2023: Corn, silage

Field name: Field 1 Crop: Corn, silage Plant date: 04/20/2023



	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	459.10	4.74	33.94	428.10
Fresh water	0.00	0.00	0.00	102.64
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	473.10	4.74	33.94	530.74
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	362.36	57.12	403.41	1,386.95
Nutrient balance	110.75	-52.38	-369.47	-856.20
Applied to removed ratio	1.31	0.08	0.08	0.38

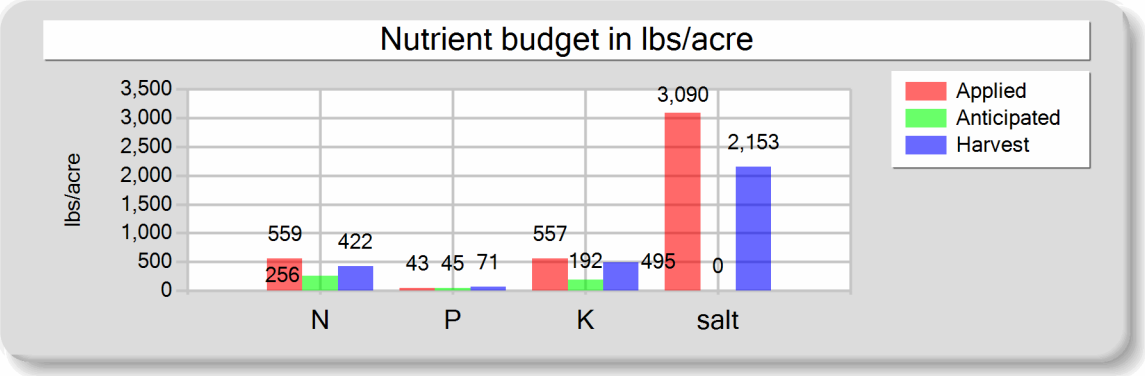
Fresh water applied	
7,175,000.00	*gallons*
264.23	*acre-inches*
37.75	*inches/acre*

Process wastewater applied	
1,425,000.00	*gallons*
52.48	*acre-inches*
7.50	*inches/acre*

Total harvests for the crop	
1	*harvests*

Field 2 - 11/01/2022: Wheat, silage, boot stage

Field name: Field 2 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	551.65	43.43	557.11	3,065.28
Fresh water	0.00	0.00	0.00	25.04
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	558.65	43.43	557.11	3,090.32
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00
Actual crop nutrient removal	422.33	71.26	495.33	2,153.38
Nutrient balance	136.32	-27.83	61.78	936.94
Applied to removed ratio	1.32	0.61	1.12	1.44

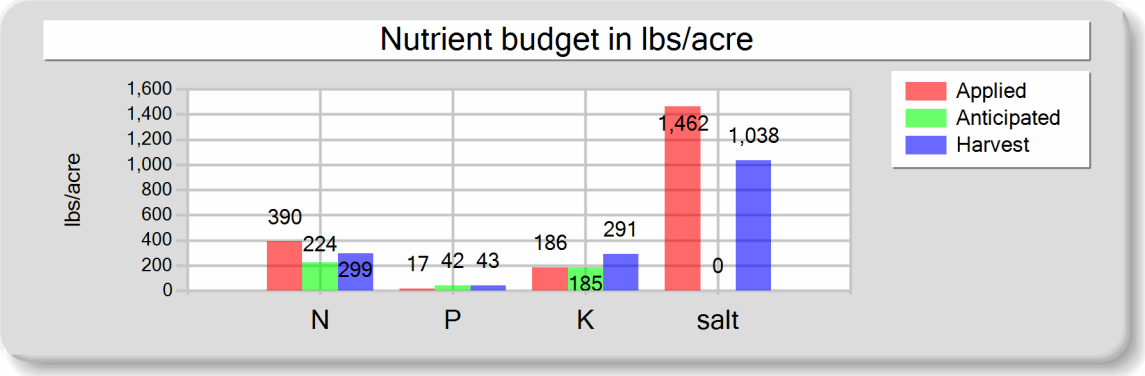
Fresh water applied	
8,250,000.00	*gallons*
303.82	*acre-inches*
9.21	*inches/acre*

Process wastewater applied	
2,950,000.00	*gallons*
108.64	*acre-inches*
3.29	*inches/acre*

Total harvests for the crop	
1	*harvests*

Field 2 - 06/01/2023: Corn, silage

Field name: Field 2 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	383.44	16.94	185.80	1,361.12
Fresh water	0.00	0.00	0.00	100.90
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	390.44	16.94	185.80	1,462.02
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	298.52	43.06	291.35	1,037.65
Nutrient balance	91.92	-26.12	-105.55	424.37
Applied to removed ratio	1.31	0.39	0.64	1.41

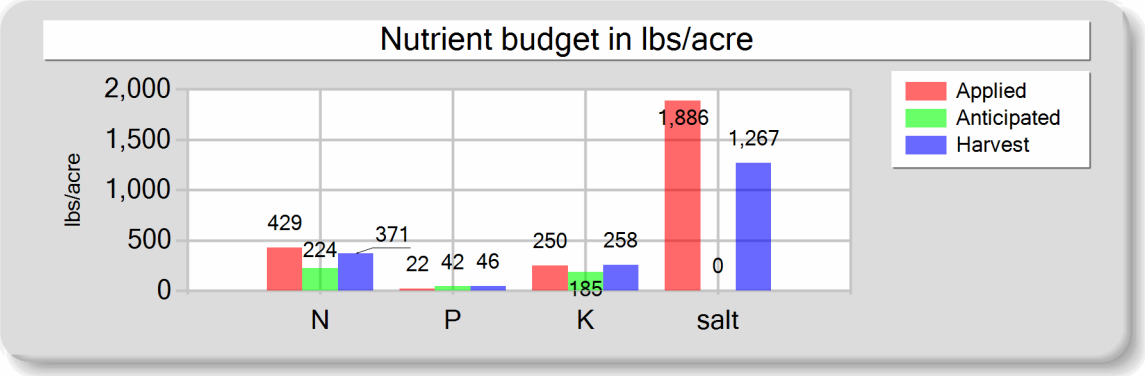
Fresh water applied	
33,250,000.00	*gallons*
1,224.48	*acre-inches*
37.11	*inches/acre*

Process wastewater applied	
5,000,000.00	*gallons*
184.13	*acre-inches*
5.58	*inches/acre*

Total harvests for the crop	
1	*harvests*

Field 3 - 04/15/2023: Corn, silage

Field name: Field 3 Crop: Corn, silage Plant date: 04/15/2023



	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	415.02	22.36	249.95	1,784.57
Fresh water	0.00	0.00	0.00	100.94
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	429.02	22.36	249.95	1,885.51
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	371.18	46.18	258.29	1,267.50
Nutrient balance	57.84	-23.82	-8.34	618.01
Applied to removed ratio	1.16	0.48	0.97	1.49

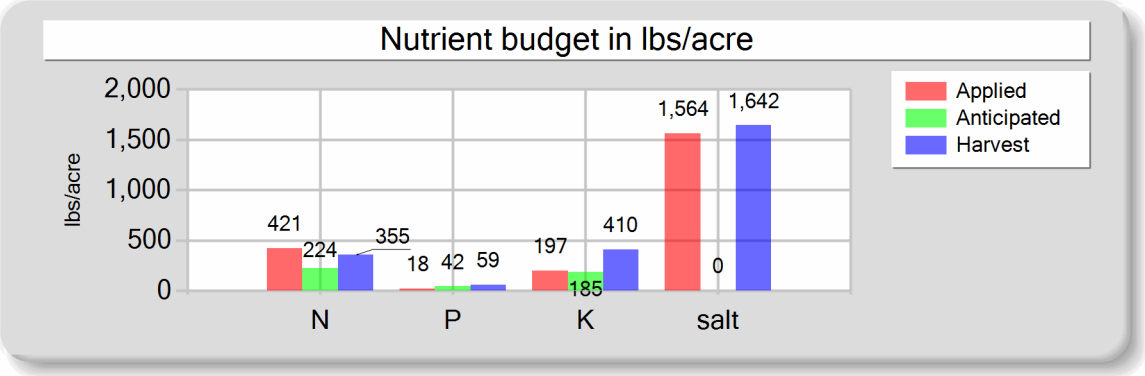
Fresh water applied	
20,160,000.00	*gallons*
742.42	*acre-inches*
37.12	*inches/acre*

Process wastewater applied	
3,165,000.00	*gallons*
116.56	*acre-inches*
5.83	*inches/acre*

Total harvests for the crop	
1	*harvests*

Field 4 - 04/15/2023: Corn, silage

Field name: Field 4 Crop: Corn, silage Plant date: 04/15/2023



	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	407.22	17.99	197.32	1,445.51
Fresh water	0.00	0.00	0.00	118.35
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	421.22	17.99	197.32	1,563.86
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	355.40	58.87	409.91	1,641.82
Nutrient balance	65.82	-40.88	-212.59	-77.97
Applied to removed ratio	1.19	0.31	0.48	0.95

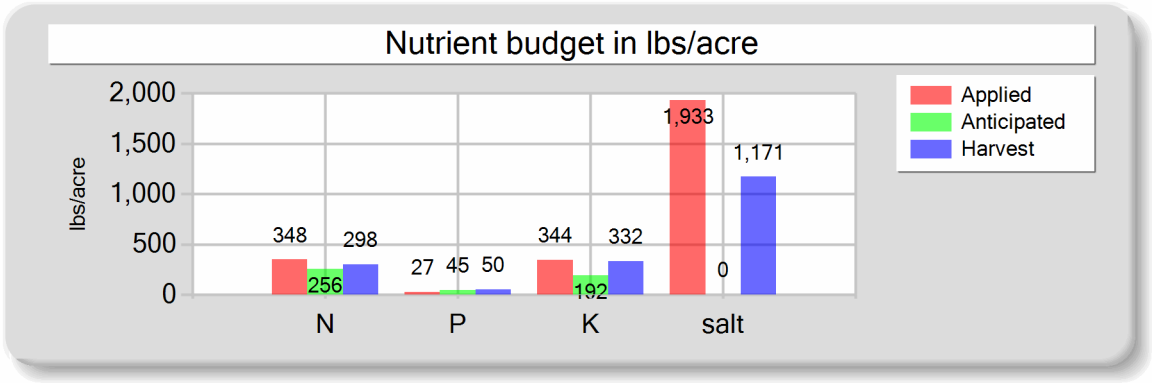
Fresh water applied	
26,000,000.00	*gallons*
957.49	*acre-inches*
43.52	*inches/acre*

Process wastewater applied	
3,540,000.00	*gallons*
130.37	*acre-inches*
5.93	*inches/acre*

Total harvests for the crop	
1	*harvests*

Field 7 - 11/01/2022: Wheat, silage, boot stage

Field name: Field 7 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	341.03	26.85	344.41	1,894.95
Fresh water	0.00	0.00	0.00	37.55
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	348.03	26.85	344.41	1,932.50
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00
Actual crop nutrient removal	298.45	49.74	331.62	1,170.60
Nutrient balance	49.58	-22.89	12.79	761.90
Applied to removed ratio	1.17	0.54	1.04	1.65

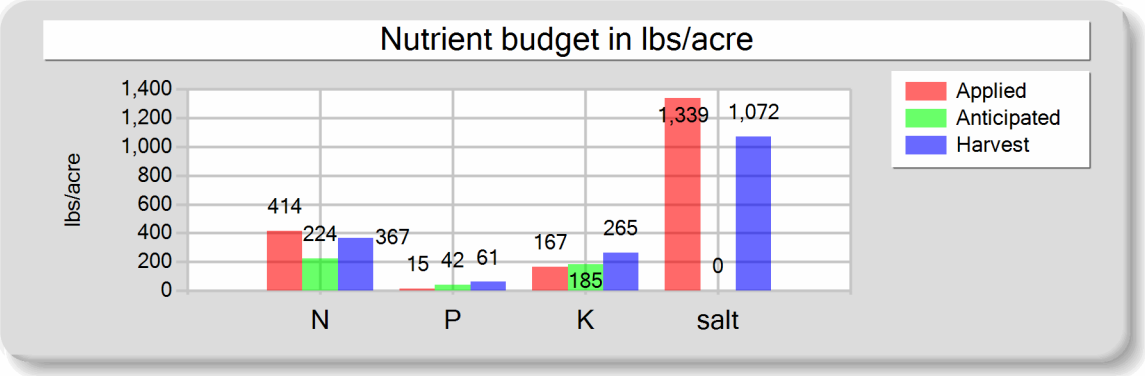
Fresh water applied	
14,250,000.00	*gallons*
524.78	*acre-inches*
13.81	*inches/acre*

Process wastewater applied	
2,100,000.00	*gallons*
77.34	*acre-inches*
2.04	*inches/acre*

Total harvests for the crop	
1	*harvests*

Field 7 - 06/01/2023: Corn, silage

Field name: Field 7 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	407.18	15.48	166.84	1,251.20
Fresh water	0.00	0.00	0.00	87.62
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	414.18	15.48	166.84	1,338.82
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	366.51	61.08	264.70	1,071.75
Nutrient balance	47.67	-45.61	-97.86	267.07
Applied to removed ratio	1.13	0.25	0.63	1.25

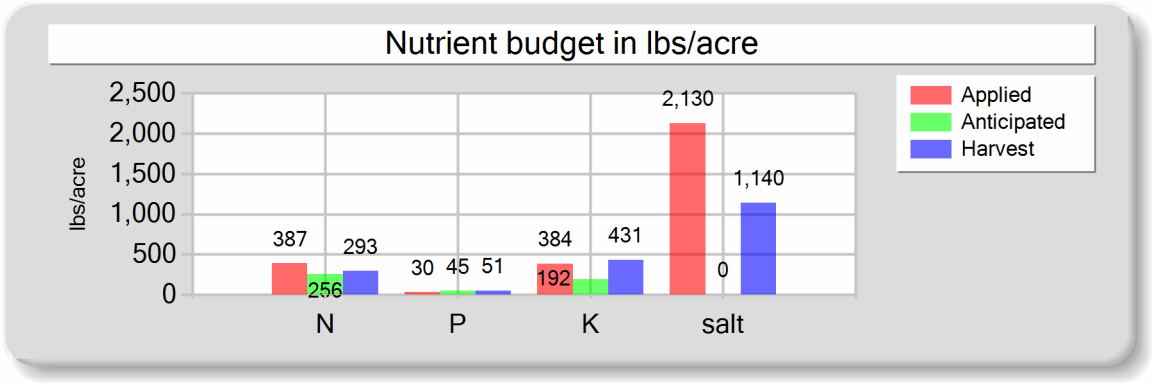
Fresh water applied	
33,250,000.00	*gallons*
1,224.48	*acre-inches*
32.22	*inches/acre*

Process wastewater applied	
6,250,000.00	*gallons*
230.17	*acre-inches*
6.06	*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	380.31	29.94	384.07	2,113.20
Fresh water	0.00	0.00	0.00	17.05
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	387.31	29.94	384.07	2,130.24
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00
Actual crop nutrient removal	292.84	50.93	431.48	1,140.25
Nutrient balance	94.47	-20.99	-47.41	990.00
Applied to removed ratio	1.32	0.59	0.89	1.87

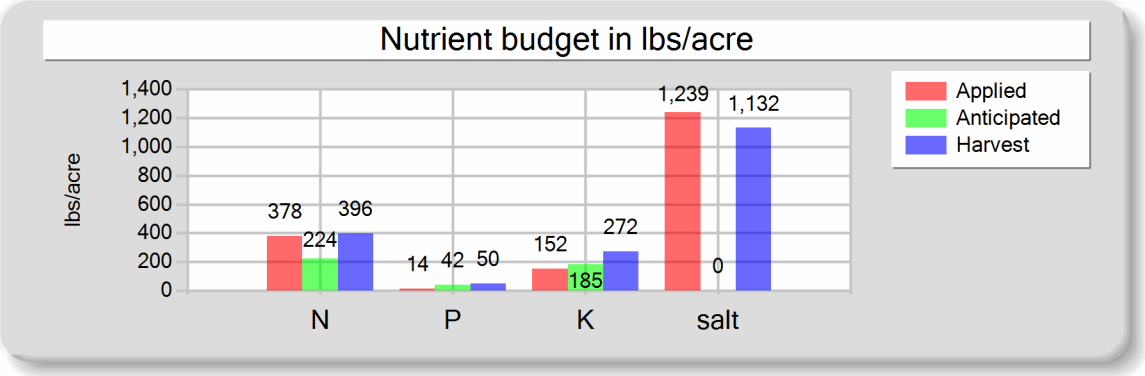
Fresh water applied	
14,640,000.00	*gallons*
539.14	*acre-inches*
6.27	*inches/acre*

Process wastewater applied	
5,300,000.00	*gallons*
195.18	*acre-inches*
2.27	*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	371.34	14.11	152.16	1,141.10
Fresh water	0.00	0.00	0.00	97.62
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	378.34	14.11	152.16	1,238.71
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	396.06	50.23	272.41	1,132.15
Nutrient balance	-17.72	-36.12	-120.26	106.56
Applied to removed ratio	0.96	0.28	0.56	1.09

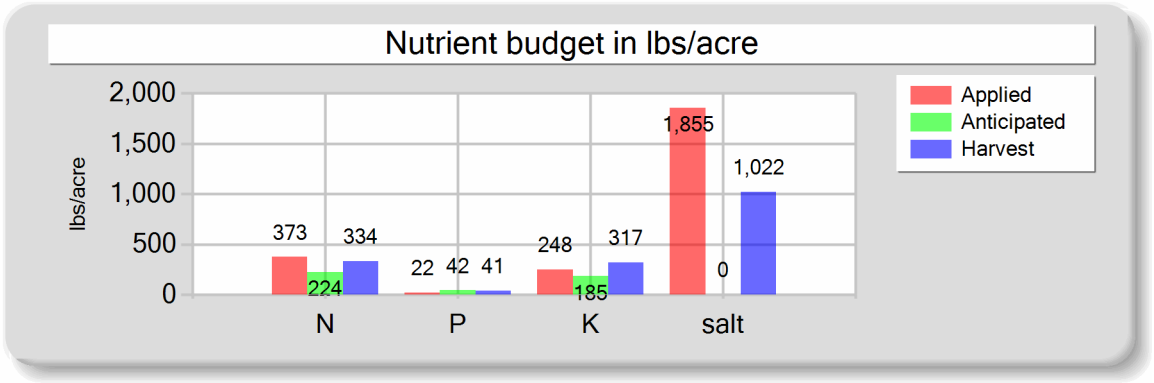
Fresh water applied	
83,832,000.00	*gallons*
3,087.25	*acre-inches*
35.90	*inches/acre*

Process wastewater applied	
12,900,000.00	*gallons*
475.06	*acre-inches*
5.52	*inches/acre*

Total harvests for the crop	
1	*harvests*

Field 9 & 10 - 04/20/2023: Corn, silage

Field name: Field 9 & 10 Crop: Corn, silage Plant date: 04/20/2023



	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	359.47	21.99	248.27	1,748.22
Fresh water	0.00	0.00	0.00	107.17
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	373.47	21.99	248.27	1,855.39
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	334.43	41.16	317.28	1,022.14
Nutrient balance	39.04	-19.17	-69.01	833.25
Applied to removed ratio	1.12	0.53	0.78	1.82

Fresh water applied	
48,160,000.00	*gallons*
1,773.57	*acre-inches*
39.41	*inches/acre*

Process wastewater applied	
6,000,000.00	*gallons*
220.96	*acre-inches*
4.91	*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: 17.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	16,700.00	5,300.00	41,600.00	15,400.00	5,000.00	4,500.00	4,000.00	67.70		33.80
DL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	1.00		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: 27.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	11,900.00	4,700.00	16,300.00							55.01
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: 7.87

	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	739.49	97.35	0.00	0.00	58.22	746.81								6,420.00	4,109
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: 7.20

	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	270.25	5.22	0.00	0.00	2.79	19.98	0.20	0.20	2.60	2.39	0.00	0.20	0.60	394.00	252
DL	67.00	0.57	0.01	0.01	0.62	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: 09/13/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.83

	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	402.30	282.40	0.00	0.00	45.22	527.85								5,547.00	3,550
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: 7.72

	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	369.55	187.00	0.00	0.00	42.43	652.90								6,474.00	4,143
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: 08/16/2023 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	0.00										20.00	
DL	0.10										1.00	

D1&D2

D1&D2

Sample description: D1&D2

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										2,620.00	
DL	0.10										1.00	

D. SOIL ANALYSES

No soil analyses entered.

E. PLANT TISSUE ANALYSES

Field 1 - 04/20/2023: Corn, silage

Field 1 - 04/20/2023: Corn, silage

Field 1

Sample and source description: Field 1

Sample date: 08/30/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 65.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	20,300.00	3,200.00	22,600.00		7.77
DL	100.00	100.00	100.00		1.00

Field 2 - 11/01/2022: Wheat, silage, boot stage

2

Sample and source description: 2

Sample date: 05/26/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 60.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	24,300.00	4,100.00	28,500.00		12.39
DL	100.00	100.00	100.00		1.00

Field 2 - 06/01/2023: Corn, silage

2

Sample and source description: 2

Sample date: 10/16/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 68.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	20,800.00	3,000.00	20,300.00		7.23
DL	100.00	100.00	100.00		1.00

Field 3 - 04/15/2023: Corn, silage

3

Sample and source description: 3

Sample date: 08/18/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 71.3 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	21,700.00	2,700.00	15,100.00		7.41
DL	100.00	100.00	100.00		1.00

Field 4 - 04/15/2023: Corn, silage

4

Sample and source description: 4

Sample date: 08/18/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 65.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	16,300.00	2,700.00	18,800.00		7.53
DL	100.00	100.00	100.00		1.00

Field 7 - 11/01/2022: Wheat, silage, boot stage

7

Sample and source description: 7

Sample date: 05/23/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 65.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	18,000.00	3,000.00	20,000.00		7.06
DL	100.00	100.00	100.00		1.00

Field 7 - 06/01/2023: Corn, silage

7

Sample and source description: 7

Sample date: 11/03/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 68.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	19,800.00	3,300.00	14,300.00		5.79
DL	100.00	100.00	100.00		1.00

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

8

Sample and source description: 8

Sample date: 05/26/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 67.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	20,700.00	3,600.00	30,500.00		8.06
DL	100.00	100.00	100.00		1.00

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

8

Sample and source description: 8

Sample date: 10/16/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 65.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	20,500.00	2,600.00	14,100.00		5.86
DL	100.00	100.00	100.00		1.00

Field 9 & 10 - 04/20/2023: Corn, silage

9&10

Sample and source description: 9&10

Sample date: 08/30/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 65.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	19,500.00	2,400.00	18,500.00		5.96
DL	100.00	100.00	100.00		1.00

F. SUBSURFACE (TILE) DRAINAGE ANALYSES

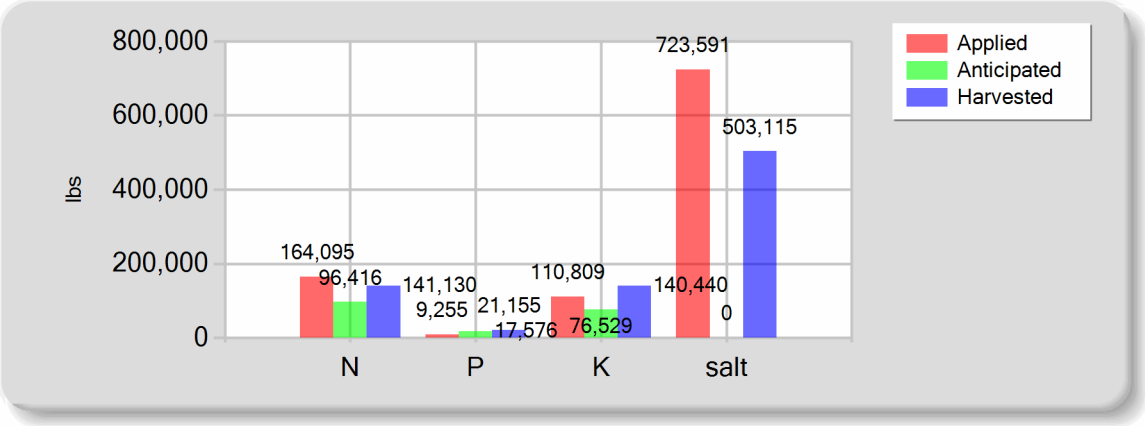
No subsurface (tile) drainage analyses entered.

NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE

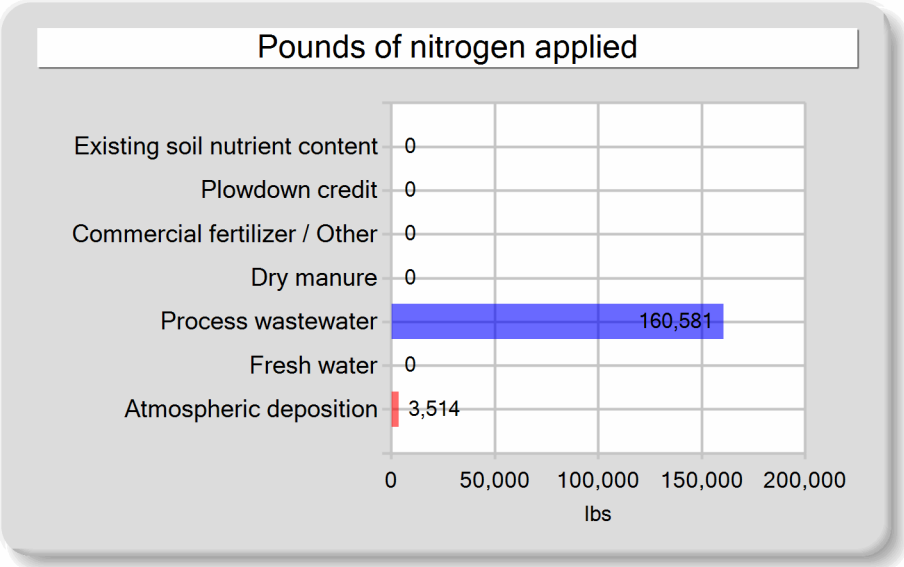
A. SUMMARY OF NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE

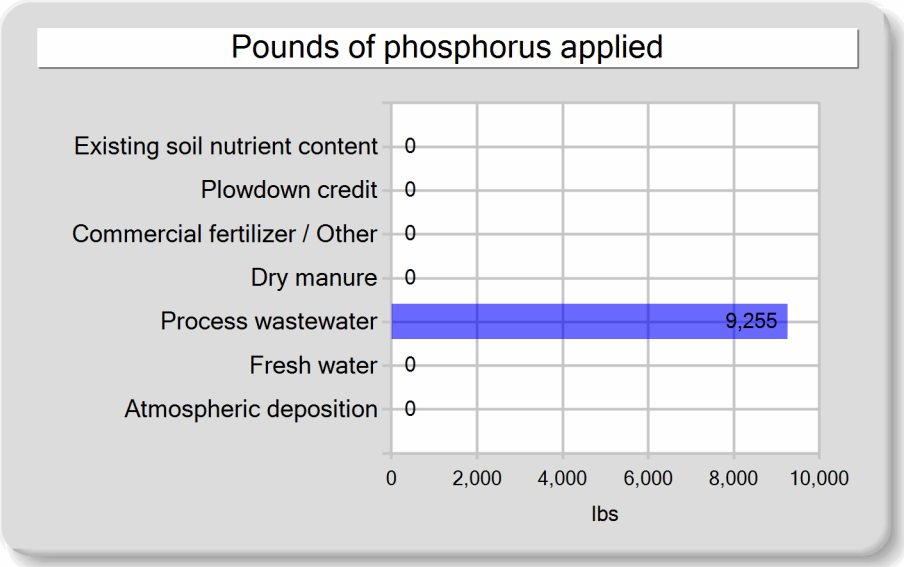
	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	160,581.19	9,255.18	110,808.69	694,653.41
Fresh water	0.00	0.00	0.00	28,937.16
Atmospheric deposition	3,514.00	0.00	0.00	0.00
Total nutrients applied	164,095.19	9,255.18	110,808.69	723,590.56
Anticipated crop nutrient removal	96,416.00	17,575.60	76,528.80	0.00
Actual crop nutrient removal	141,130.48	21,154.51	140,440.32	503,114.97
Nutrient balance	22,964.71	-11,899.33	-29,631.63	220,475.59
Applied to removed ratio	1.16	0.44	0.79	1.44

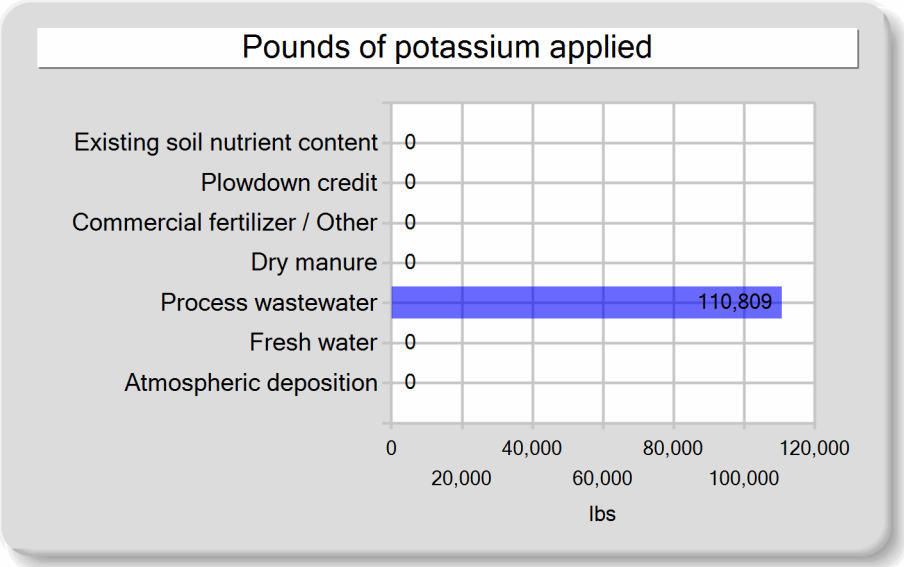
B. POUNDS OF NUTRIENT APPLIED VS. CROP REMOVAL

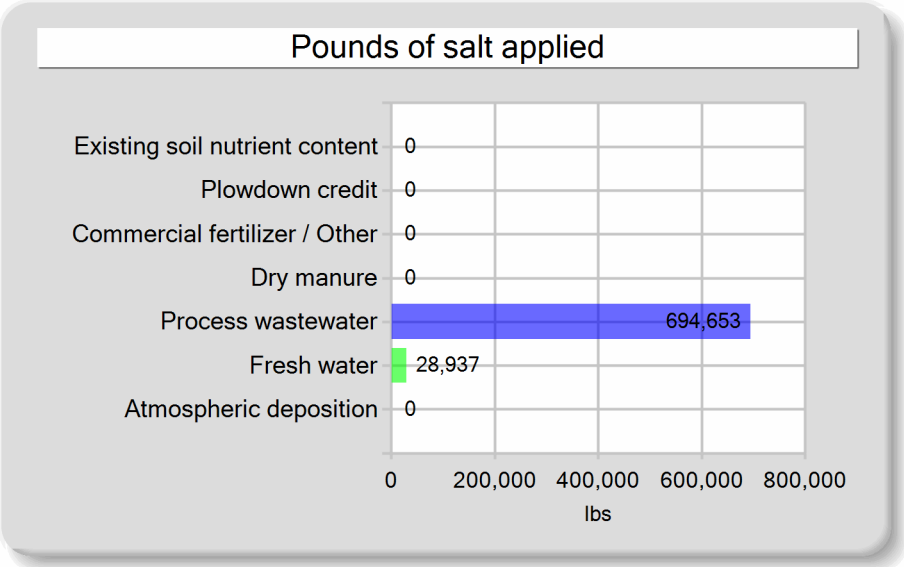


C. POUNDS OF NUTRIENT APPLIED BY MATERIAL TYPE









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

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
Randy Brown	Jason Mello
PRINT OR TYPE NAME	PRINT OR TYPE NAME
6/14/24	6/14/24
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.

DELLAVALLE™
LABORATORY INC

Mello D Jerseys
9635 16th Ave
Hanford, CA 93230

Account# 00-0025829
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

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

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23L0684-01	D1 & D2	Ag Water	Medeiros		12/12/2023 11:15

Default Cooler Temperature on Receipt °C: 12.4
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# 00-0025829
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

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

Sample Results

Sample: D1 & D2
23L0684-01 (Water)

Sampled: 12/12/2023 11:15
Sampled By: Medeiros

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.26**	mmhos/cm	0.01	1		12/13/23 16:34	SM 2510 B		BEL0496
Electrical Conductivity umhos	**262**	umhos/cm	10.0	1		12/13/23 16:34	SM 2510 B		BEL0496
Ammonia (as N)	ND	mg/L	0.00	1		12/12/23 11:15	Field		BEL0521
Nitrate Nitrogen as NO3N	ND	mg/L	0.1	1	10	12/14/23 08:12	EPA 300.0		BEL0447
Temperature	**25.0**	units	0.0	1		12/13/23 16:34	SM 4500-H+	H	BEL0496
pH	**9.4**	units	1.0	1		12/13/23 16:34	SM 4500-H+	H	BEL0496

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Account# 00-0025829
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

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

Quality Control

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0447										
Blank (BEL0447-BLK1)					Prepared & Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Blank (BEL0447-BLK2)					Prepared & Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Blank (BEL0447-BLK3)					Prepared: 12/13/2023 Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Blank (BEL0447-BLK4)					Prepared: 12/13/2023 Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
LCS (BEL0447-BS1)					Prepared & Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	4.9		0.1	mg/L	5.000		98.1	90-110		
LCS (BEL0447-BS2)					Prepared: 12/13/2023 Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	4.9		0.1	mg/L	5.000		98.5	90-110		
LCS (BEL0447-BS3)					Prepared: 12/13/2023 Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	0.07		0.1	mg/L	5.000		1.44	90-110		
Duplicate (BEL0447-DUP1)		**Source: 23L0636-01**			Prepared: 12/13/2023 Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	0.04		0.1	mg/L		0.04			5.26	10
Duplicate (BEL0447-DUP2)		**Source: 23L0777-05**			Prepared: 12/13/2023 Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	1.8		0.1	mg/L		1.8			0.112	10
Duplicate (BEL0447-DUP3)		**Source: 23L0681-01**			Prepared: 12/13/2023 Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	0.04		0.1	mg/L		0.04			2.74	10
Matrix Spike (BEL0447-MS1)		**Source: 23L0636-01**			Prepared & Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	4.8		0.1	mg/L	5.000	0.04	96.0	90-110		
Matrix Spike (BEL0447-MS2)		**Source: 23L0777-05**			Prepared: 12/13/2023 Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	6.7		0.1	mg/L	5.000	1.8	98.2	90-110		
Matrix Spike (BEL0447-MS3)		**Source: 23L0681-01**			Prepared: 12/13/2023 Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	4.9		0.1	mg/L	5.000	0.04	98.0	90-110		
Reference (BEL0447-SRM1)					Prepared & Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	10.0			mg/L	10.00		99.7	90-110		
Reference (BEL0447-SRM2)					Prepared: 12/13/2023 Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	9.8			mg/L	10.00		98.5	90-110		

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Submitted By: Christina Medeiros

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

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0447 (Continued)										
Reference (BEL0447-SRM3)					Prepared: 12/13/2023 Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	9.8			mg/L	10.00		98.2	90-110		
Reference (BEL0447-SRM4)					Prepared: 12/13/2023 Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	9.6			mg/L	10.00		95.5	90-110		

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Account Manager: Ben Nydam
Submitted By: Christina Medeiros

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

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0496										
Blank (BEL0496-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	5.7		1.0	units						
Blank (BEL0496-BLK2)					Prepared & Analyzed: 12/13/2023					
Temperature	25.0		0.0	units						
Electrical Conductivity	ND		0.01	mmhos/cm						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
pH	7.7		1.0	units						
Blank (BEL0496-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 (BEL0496-DUP1)		**Source: 23L0678-01**			Prepared & Analyzed: 12/13/2023					
Electrical Conductivity	0.26		0.01	mmhos/cm		0.26			0.960	10
pH	9.4		1.0	units		9.4			0.00	10
Electrical Conductivity umhos	262		10.0	umhos/cm		259			0.960	10
Duplicate (BEL0496-DUP2)		**Source: 23L0687-04**			Prepared & Analyzed: 12/13/2023					
Electrical Conductivity	0.43		0.01	mmhos/cm		0.42			0.587	10
Electrical Conductivity umhos	427		10.0	umhos/cm		425			0.587	10
pH	8.2		1.0	units		8.2			0.00	10
Reference (BEL0496-SRM1)					Prepared & Analyzed: 12/13/2023					
Electrical Conductivity	444			umhos/cm	426.0		104	90-110		
Reference (BEL0496-SRM2)					Prepared & Analyzed: 12/13/2023					
pH	7.5			units	7.520		100	67021-101.3		
Reference (BEL0496-SRM3)					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 (BEL0496-SRM4)					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 (BEL0496-SRM5)					Prepared & Analyzed: 12/13/2023					
Electrical Conductivity	1090			umhos/cm	1000		109	90-110		

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Account# 00-0025829
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Received: 12/13/2023 7:00
Reported: 12/20/2023 12:00

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0496 (Continued)										
Reference (BEL0496-SRM5)					Prepared & Analyzed: 12/13/2023					
Electrical Conductivity umhos	1090			umhos/cm	1000		109	90-110		
Reference (BEL0496-SRM6)					Prepared & Analyzed: 12/13/2023					
pH	4.0			units	4.000		100	97.5-102.5		
Reference (BEL0496-SRM7)					Prepared & Analyzed: 12/13/2023					
pH	4.0			units	4.000		101	97.5-102.5		
Reference (BEL0496-SRM8)					Prepared & Analyzed: 12/13/2023					
pH	4.0			units	4.000		100	97.5-102.5		

12/13/23 07:00 23L0684

09

WATER WORK REQUEST

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

Acct No. 25829 Cons. 8

Bill To:

Purchase Order No. Results Needed By

No. of Samples 1 No. Bottles 1

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

Client: **Mello D Jerseys**
Address: 9635 16TH AVE
City, State, Zip: Hanford, CA 93230
Email: Randallbrown58@gmail.com

Copy to: mel_tinamedeiros@yahoo.com

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

Facility:

Date sampled

Sampled by Medeiros

[✓] QA/QC Document [✓] 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

H/E

DESCRIPTION OF SAMPLES

		Date Sampled	Time Sampled	Field NH4-N (mg/L)	Received Temp °C
1. D1+D2	Sampled From:	12/12/23	1015	0	12.4 / 0.8
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: 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 11:32 AM
Second		DL	12/12/23 11:32 AM	
Third				
Fourth			12/13 08:28	

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 ___

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 23L0684

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 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

Mello D Jerseys
9635 16th Ave
Hanford, CA 93230

Account# 00-0025829
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

Received: 09/01/2023 13:44
Reported: 09/08/2023 13:34

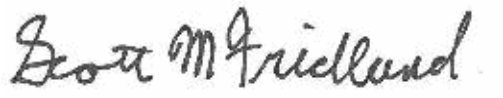
Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23I0259-01	Domestic	Ground Water	C Medeiros		09/01/2023 9:30

Default Cooler Temperature on Receipt °C: 26.3
Containers Intact
COC/Labels Agree

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

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Received: 09/01/2023 13:44
Reported: 09/08/2023 13:34

Sample Results

Sample: Domestic
23I0259-01 (Water)

Sampled: 9/1/2023 9:30
Sampled By: C Medeiros

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.26**	mmhos/cm	0.01	1		09/06/23 14:08	SM 2510 B		BEI0061
Electrical Conductivity umhos	**263**	umhos/cm	10.0	1		09/06/23 14:08	SM 2510 B		BEI0061
Nitrate Nitrogen as NO3N	ND	mg/L	0.1	1	10	09/01/23 22:20	EPA 300.0		BEI0013
Temperature	**25.0**	°C	0.0	1		09/06/23 14:08	SM 2510 B		BEI0061

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Hanford, CA 93230

Account# 00-0025829
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Quality Control

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEI0013										
Blank (BEI0013-BLK1)					Prepared & Analyzed: 9/1/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Blank (BEI0013-BLK2)					Prepared & Analyzed: 9/1/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Blank (BEI0013-BLK3)					Prepared: 9/1/2023 Analyzed: 9/2/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
LCS (BEI0013-BS1)					Prepared & Analyzed: 9/1/2023					
Nitrate Nitrogen as NO3N	5.2		0.1	mg/L	5.000		104	90-110		
LCS (BEI0013-BS2)					Prepared: 9/1/2023 Analyzed: 9/2/2023					
Nitrate Nitrogen as NO3N	5.1		0.1	mg/L	5.000		103	90-110		
Duplicate (BEI0013-DUP1)		**Source: 23I0214-01**			Prepared & Analyzed: 9/1/2023					
Nitrate Nitrogen as NO3N	0.08		0.1	mg/L		0.07			8.00	10
Duplicate (BEI0013-DUP2)		**Source: 23I0259-01**			Prepared: 9/1/2023 Analyzed: 9/2/2023					
Nitrate Nitrogen as NO3N	0.03		0.1	mg/L		0.03			0.00	10
Matrix Spike (BEI0013-MS1)		**Source: 23I0214-01**			Prepared & Analyzed: 9/1/2023					
Nitrate Nitrogen as NO3N	5.4		0.1	mg/L	5.000	0.07	106	90-110		
Matrix Spike (BEI0013-MS2)		**Source: 23I0259-01**			Prepared: 9/1/2023 Analyzed: 9/2/2023					
Nitrate Nitrogen as NO3N	5.4		0.1	mg/L	5.000	0.03	107	90-110		
Reference (BEI0013-SRM1)					Prepared & Analyzed: 9/1/2023					
Nitrate Nitrogen as NO3N	10.2			mg/L	10.00		102	90-110		
Reference (BEI0013-SRM2)					Prepared & Analyzed: 9/1/2023					
Nitrate Nitrogen as NO3N	10.4			mg/L	10.00		104	90-110		
Reference (BEI0013-SRM3)					Prepared: 9/1/2023 Analyzed: 9/2/2023					
Nitrate Nitrogen as NO3N	10.4			mg/L	10.00		104	90-110		

DELLAVALLE™
LABORATORY INC

Mello D Jerseys
9635 16th Ave
Hanford, CA 93230

Account# 00-0025829
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

Received: 09/01/2023 13:44
Reported: 09/08/2023 13:34

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEI0061										
Blank (BEI0061-BLK1)					Prepared: 9/5/2023 Analyzed: 9/6/2023					
Electrical Conductivity	ND		0.01	mmhos/cm						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Temperature	25.0		0.0	°C						
Blank (BEI0061-BLK2)					Prepared: 9/5/2023 Analyzed: 9/6/2023					
Electrical Conductivity	ND		0.01	mmhos/cm						
Temperature	25.0		0.0	°C						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Blank (BEI0061-BLK3)					Prepared: 9/5/2023 Analyzed: 9/6/2023					
Electrical Conductivity	ND		0.01	mmhos/cm						
Temperature	25.0		0.0	°C						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Duplicate (BEI0061-DUP1)		**Source: 23I0355-01**			Prepared: 9/5/2023 Analyzed: 9/6/2023					
Electrical Conductivity	0.68		0.01	mmhos/cm		0.68			1.34	10
Electrical Conductivity umhos	676		10.0	umhos/cm		685			1.34	10
Duplicate (BEI0061-DUP2)		**Source: 23I0372-01**			Prepared: 9/5/2023 Analyzed: 9/6/2023					
Electrical Conductivity	1.63		0.01	mmhos/cm		1.64			0.519	10
Electrical Conductivity umhos	1630		10.0	umhos/cm		1640			0.519	10
Reference (BEI0061-SRM1)					Prepared: 9/5/2023 Analyzed: 9/6/2023					
Electrical Conductivity	505			umhos/cm	538.0		93.8	90-110		
Reference (BEI0061-SRM3)					Prepared: 9/5/2023 Analyzed: 9/6/2023					
Electrical Conductivity	953			umhos/cm	1000		95.3	90-110		
Electrical Conductivity umhos	953			umhos/cm	1000		95.3	90-110		
Reference (BEI0061-SRM4)					Prepared: 9/5/2023 Analyzed: 9/6/2023					
Electrical Conductivity	956			umhos/cm	1000		95.6	90-110		
Electrical Conductivity umhos	956			umhos/cm	1000		95.6	90-110		
Reference (BEI0061-SRM5)					Prepared: 9/5/2023 Analyzed: 9/6/2023					
Electrical Conductivity	960			umhos/cm	1000		96.0	90-110		
Electrical Conductivity umhos	960			umhos/cm	1000		96.0	90-110		

09/01/23 13:44 2310259

WATER WORK REQUEST

Acct No. 25829 Cons. 8

Bill To:

Purchase Order No. Results Needed By

Client: Mello D Jerseys
Address: 9635 16TH AVE
City, State, Zip: Hanford, CA 93230
Email: Randallbrown58@gmail.com

Copy to: mel_tinamedeiros@yahoo.com

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

Facility:

Date sampled: 9/1/23

Sampled by: C Medeiros

☑ QA/QC Document ☑ Copy of Chain ☐ RWQCB

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

No. of Samples 1 No. Bottles

Water Type: ☐ Drinking ☐ Wastewater ☐ Ag Water ☐ Ground Water ☐ Mon. Well ☐ Supply Water ☐ Other

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

☒ 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

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

DESCRIPTION OF SAMPLES		Date Sampled	Time Sampled	Field NH4-N (mg/L)	Received Temp °C
1. Domestic	Sampled From:	9/1/23	9:30am		26.3
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

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First		MED ENVIRO		9/1/23 10:12 AM
Second		DLL	9/1/23 10:12AM	
Third		DLL	9/1/23 1014	
Fourth		DLL	9/1/23 13:44	

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 ___

Shipping
$ ___ In
$ ___ Out

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

Signature

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

ctt:update 2020

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 L unpreserved (BOD) (Purple) Plastic										
Special	500mL unpreserved (White) Glass										
	PO4-P Kit										
	Other:										
Sample Containers for S *(Containers that go in th*											
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:										

09/01/23 13:44 2310259

SEND OUT