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: Delta View Farms #3

Physical address of dairy:

Number and Street	City	County	Zip Code
4590 Avenue 304	Visalia	Tulare	93291

Street and nearest cross street (if no address):

Date facility was originally placed in operation: 11/20/1974

Regional Water Quality Control Board Basin Plan designation: Tulare Basin

County Assessor Parcel Number(s) for dairy facility:

0073-0030-0001-0000 0073-0030-0002-0000

B. OPERATORS

Dias, Darren

Operator name: Dias, Darren

Telephone no.: (559) 469-6705 (Landline) (Cellular)

Mailing Address Number and Street	City	State	Zip Code
4845 Avenue 304	Visalia	CA	93291

This operator is responsible for paying permit fees.

C. OWNERS

Dragt, Harold

Legal owner name: Dragt, Harold

Telephone no.: (559) 799-0944 (Landline) (Cellular)

Mailing Address Number and Street	City	State	Zip Code
4590 Avenue 304	Visalia	CA	93291

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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	600	300	350	0	0	0
Number under roof	0	0	0	0	0	0
Maximum number	600	300	350	0	0	0
Average number	600	300	350	0	0	0
Avg live weight (lbs)	900	800	700	0		

Predominant milk cow breed: Jersey

Average milk production: 60 *pounds per cow per day*

B. MANURE GENERATED

Total manure excreted by the herd: 21,596.49 *tons per reporting period*

Total nitrogen from manure: 279,986.30 *lbs per reporting period*

After ammonia losses (30% loss applied): 195,990.41 *lbs per reporting period*

Total phosphorus from manure: 45,221.83 *lbs per reporting period*

Total potassium from manure: 110,963.54 *lbs per reporting period*

Total salt from manure: 351,495.00 *lbs per reporting period*

C. PROCESS WASTEWATER GENERATED

Process wastewater generated: 17,670,900 *gallons*

Total nitrogen generated: 29,405.16 *lbs*

Total phosphorus generated: 9,593.42 *lbs*

Total potassium generated: 65,586.98 *lbs*

Total salt generated: 397,376.08 *lbs*

	17,670,900	*gallons applied*
+	0	*gallons exported*
-	0	*gallons imported*
=	17,670,900	*gallons generated*

D. FRESH WATER SOURCES

Source Description	Type
1S	Ground water
3	Ground water
7	Ground water
9	Ground water
Mill Creek	Surface 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
1	7	7	2	both	X073-X030-X002-XXXX
2	28	28	2	both	X073-X030-X001-XXXX
3	39	39	2	both	X073-X030-X001-XXXX
4	38	38	2	both	X073-X030-X002-XXXX
5	38	38	2	both	X073-X030-X003-XXXX
6	38	38	2	both	X073-X030-X003-XXXX
7	35	35	2	both	X073-X030-X003-XXXX
8	38	38	2	both	X073-X030-X003-XXXX
9	68	68	1	both	X073-X170-X034-XXXX
Totals for areas that were used for application	329	329	17		
Totals for areas that were not used for application					
Land application area totals	329	329	17		

B. CROPS AND HARVESTS

1

Field name: 1

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

Crop: Wheat, silage, soft dough Acres planted: 7 Plant date: 11/07/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/04/2023	161.00 *ton*	As-is		72.0	4,400.00	1,000.00	5,400.00		10.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	20.00	220.00	34.00	166.00	0.00
Total actual harvest content	23.00	202.40	46.00	248.40	1,288.00

1

06/13/2023: Corn, silage

Crop: Corn, silage Acres planted: 7 Plant date: 06/13/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/26/2023	196.00 *ton*	As-is		61.5	4,750.00	950.00	6,200.00		4.55

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	0.00
Total actual harvest content	28.00	266.00	53.20	347.20	980.98

2

Field name: 2

11/19/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 28 Plant date: 11/19/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/08/2023	420.00 *ton*	As-is		37.6	9,400.00	1,800.00	13,200.00		10.50

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	20.00	220.00	34.00	166.00	0.00
Total actual harvest content	15.00	282.00	54.00	396.00	1,965.60

06/17/2023: Corn, silage

Crop: Corn, silage Acres planted: 28 Plant date: 06/17/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/26/2023	728.00 *ton*	As-is		61.5	4,750.00	950.00	6,200.00		4.55

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	0.00
Total actual harvest content	26.00	247.00	49.40	322.40	910.91

3

Field name: 3

11/17/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 39 Plant date: 11/17/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/04/2023	858.00 *ton*	As-is		68.4	5,300.00	1,100.00	7,200.00		7.60

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	20.00	220.00	34.00	166.00	0.00
Total actual harvest content	22.00	233.20	48.40	316.80	1,056.70

06/22/2023: Corn, silage

Crop: Corn, silage Acres planted: 39 Plant date: 06/22/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/09/2023	975.00 *ton*	As-is		60.9	5,300.00	950.00	5,650.00		6.90

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	0.00
Total actual harvest content	25.00	265.00	47.50	282.50	1,348.95

4

Field name: 4

11/16/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 38 Plant date: 11/16/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/05/2023	760.00 *ton*	As-is		64.9	5,700.00	1,400.00	7,300.00		10.20

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	20.00	220.00	34.00	166.00	0.00
Total actual harvest content	20.00	228.00	56.00	292.00	1,432.08

4

06/23/2023: Corn, silage

Crop: Corn, silage Acres planted: 38 Plant date: 06/23/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/09/2023	950.00 *ton*	As-is		60.2	5,450.00	1,000.00	5,400.00		7.10

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	0.00
Total actual harvest content	25.00	272.50	50.00	270.00	1,412.90

5

Field name: 5

11/14/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 38 Plant date: 11/14/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/04/2023	570.00 *ton*	As-is		48.3	8,300.00	1,700.00	12,500.00		12.70

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	20.00	220.00	34.00	166.00	0.00
Total actual harvest content	15.00	249.00	51.00	375.00	1,969.77

06/23/2023: Corn, silage

Crop: Corn, silage Acres planted: 38 Plant date: 06/23/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/10/2023	988.00 *ton*	As-is		63.1	5,300.00	900.00	4,900.00		5.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	0.00
Total actual harvest content	26.00	275.60	46.80	254.80	959.40

6

Field name: 6

11/14/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 38 Plant date: 11/14/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/08/2023	760.00 *ton*	As-is		69.3	4,500.00	700.00	5,400.00		6.40

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	20.00	220.00	34.00	166.00	0.00
Total actual harvest content	20.00	180.00	28.00	216.00	785.92

06/24/2023: Corn, silage

Crop: Corn, silage Acres planted: 38 Plant date: 06/24/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/10/2023	1,064.00 *ton*	As-is		60.9	5,200.00	950.00	5,700.00		5.20

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	0.00
Total actual harvest content	28.00	291.20	53.20	319.20	1,138.59

7

Field name: 7

11/09/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 35 Plant date: 11/09/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/06/2023	525.00 *ton*	As-is		49.8	8,400.00	1,900.00	10,500.00		10.70

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	20.00	220.00	34.00	166.00	0.00
Total actual harvest content	15.00	252.00	57.00	315.00	1,611.42

7

06/26/2023: Corn, silage

Crop: Corn, silage Acres planted: 35 Plant date: 06/26/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/14/2023	1,050.00 *ton*	As-is		66.3	4,650.00	700.00	5,150.00		6.30

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	0.00
Total actual harvest content	30.00	279.00	42.00	309.00	1,273.86

8

Field name: 8

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

Crop: Wheat, silage, soft dough Acres planted: 38 Plant date: 11/07/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/06/2023	760.00 *ton*	As-is		66.1	5,700.00	1,200.00	6,900.00		10.30

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	20.00	220.00	34.00	166.00	0.00
Total actual harvest content	20.00	228.00	48.00	276.00	1,396.68

06/19/2023: Corn, silage

Crop: Corn, silage Acres planted: 38 Plant date: 06/19/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/09/2023	1,254.00 *ton*	As-is		74.6	3,500.00	500.00	4,900.00		7.20

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	0.00
Total actual harvest content	33.00	231.00	33.00	323.40	1,207.01

9

Field name: 9

04/24/2023: Corn, silage

Crop: Corn, silage Acres planted: 68 Plant date: 04/24/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
08/14/2023	1,972.00 *ton*	As-is		66.2	4,900.00	700.00	4,100.00		5.10

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	35.00	280.00	52.50	231.00	0.00
Total actual harvest content	29.00	284.20	40.60	237.80	999.80

NUTRIENT BUDGET

A. LAND APPLICATIONS

1 - 11/07/2022: Wheat, silage, soft dough

Field name: 1

Crop: Wheat, silage, soft dough — Plant date: 11/07/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
10/01/2022	Broadcast/incorporate	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	197.40	81.20	278.60	0.00	49.00 *ton*
Application event totals		197.40	81.20	278.60	0.00	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
11/08/2022	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
Process Wastewater	Process wastewater	23.54	5.86	46.71	275.96	120,564.87 *gal*
1S	Ground water	9.62	0.00	0.00	301.87	1,681,391.16 *gal*
Application event totals		33.16	5.86	46.71	577.83	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
01/09/2023	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
Mill Creek	Surface water	3.83	0.00	0.00	367.21	2,678,495.22 *gal*
Application event totals		3.83	0.00	0.00	367.21	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
02/13/2023	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
Process Wastewater	Process wastewater	7.74	2.71	21.96	128.66	58,653.18 *gal*
Application event totals		7.74	2.71	21.96	128.66	

1 - 06/13/2023: Corn, silage

Field name: 1

Crop: Corn, silage — Plant date: 06/13/2023

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

1 - 06/13/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/05/2023	Broadcast/incorporate	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	192.00	58.00	178.00	0.00	35.00 *ton*
Application event totals		192.00	58.00	178.00	0.00	

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
Process Wastewater	Process wastewater	56.59	18.22	159.32	982.18	479,000.97 *gal*
Mill Creek	Surface water	2.61	0.00	0.00	250.17	1,824,765.60 *gal*
Application event totals		59.20	18.22	159.32	1,232.35	

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
1S	Ground water	18.15	0.00	0.00	642.22	3,903,694.98 *gal*
9	Ground water	9.26	0.00	0.00	351.80	2,157,133.62 *gal*
Application event totals		27.41	0.00	0.00	994.02	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/11/2023	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
Process Wastewater	Process wastewater	36.81	6.71	27.60	306.15	120,564.87 *gal*
Application event totals		36.81	6.71	27.60	306.15	

2 - 11/19/2022: Wheat, silage, soft dough

Field name: 2

Crop: Wheat, silage, soft dough

Plant date: 11/19/2022

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

2 - 11/19/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
10/01/2022	Broadcast/incorporate	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	225.60	92.80	318.40	0.00	224.00 *ton*
Application event totals		225.60	92.80	318.40	0.00	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
11/22/2022	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
Process Wastewater	Process wastewater	17.50	4.36	34.72	205.11	358,436.10 *gal*
3	Ground water	30.78	0.00	0.00	505.21	3,010,863.24 *gal*
7	Ground water	6.11	0.00	0.00	179.27	3,476,830.17 *gal*
Application event totals		54.39	4.36	34.72	889.58	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
01/23/2023	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
Mill Creek	Surface water	4.00	0.00	0.00	383.07	11,176,689.30 *gal*
Application event totals		4.00	0.00	0.00	383.07	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
02/20/2023	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
Process Wastewater	Process wastewater	7.96	2.78	22.57	132.23	241,129.74 *gal*
Application event totals		7.96	2.78	22.57	132.23	

2 - 06/17/2023: Corn, silage

Field name: 2

Crop: Corn, silage

Plant date: 06/17/2023

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

2 - 06/17/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/10/2023	Broadcast/incorporate	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	115.20	34.80	106.80	0.00	84.00 *ton*
Application event totals		115.20	34.80	106.80	0.00	

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
Process Wastewater	Process wastewater	5.29	1.70	14.90	91.87	179,218.05 *gal*
Mill Creek	Surface water	7.58	0.00	0.00	726.61	21,199,866.06 *gal*
Application event totals		12.88	1.70	14.90	818.48	

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
Process Wastewater	Process wastewater	9.20	1.68	6.90	76.54	120,564.87 *gal*
Application event totals		9.20	1.68	6.90	76.54	

08/11/2023	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
3	Ground water	152.21	0.00	0.00	2,483.21	11,476,472.22 *gal*
Application event totals		152.21	0.00	0.00	2,483.21	

3 - 11/17/2022: Wheat, silage, soft dough

Field name: 3

Crop: Wheat, silage, soft dough

Plant date: 11/17/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
10/13/2022	Broadcast/incorporate	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	225.60	92.80	318.40	0.00	312.00 *ton*
Application event totals		225.60	92.80	318.40	0.00	

3 - 11/17/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
11/20/2022	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
Process Wastewater	Process wastewater	10.51	2.62	20.85	123.16	299,782.92 *gal*
3	Ground water	31.76	0.00	0.00	521.30	4,327,301.28 *gal*
7	Ground water	6.31	0.00	0.00	184.91	4,995,295.83 *gal*
Application event totals		48.57	2.62	20.85	829.37	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
01/21/2023	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
Mill Creek	Surface water	3.86	0.00	0.00	370.20	15,044,540.67 *gal*
Application event totals		3.86	0.00	0.00	370.20	

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
Process Wastewater	Process wastewater	5.71	2.00	16.20	94.94	241,129.74 *gal*
Application event totals		5.71	2.00	16.20	94.94	

3 - 06/22/2023: Corn, silage

Field name: 3

Crop: Corn, silage

Plant date: 06/22/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/05/2023	Broadcast/incorporate	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	115.20	34.80	106.80	0.00	117.00 *ton*
Application event totals		115.20	34.80	106.80	0.00	

3 - 06/22/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/31/2023	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
Process Wastewater	Process wastewater	20.38	6.56	57.39	353.78	961,260.45 *gal*
Mill Creek	Surface water	9.10	0.00	0.00	872.46	35,455,847.31 *gal*
Application event totals		29.49	6.56	57.39	1,226.24	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/20/2023	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
Process Wastewater	Process wastewater	63.92	22.96	134.71	788.99	599,565.84 *gal*
Application event totals		63.92	22.96	134.71	788.99	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/30/2023	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
3	Ground water	98.85	0.00	0.00	1,612.74	10,381,612.86 *gal*
Application event totals		98.85	0.00	0.00	1,612.74	

4 - 11/16/2022: Wheat, silage, soft dough

Field name: 4

Crop: Wheat, silage, soft dough

Plant date: 11/16/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
10/13/2022	Broadcast/incorporate	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	225.60	92.80	318.40	0.00	304.00 *ton*
Application event totals		225.60	92.80	318.40	0.00	

4 - 11/16/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
11/17/2022	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
Process Wastewater	Process wastewater	10.78	2.69	21.40	126.40	299,782.92 *gal*
3	Ground water	31.17	0.00	0.00	511.65	4,138,307.70 *gal*
7	Ground water	6.19	0.00	0.00	181.49	4,776,975.66 *gal*
Application event totals		48.14	2.69	21.40	819.54	

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
Mill Creek	Surface water	4.02	0.00	0.00	385.70	15,272,636.37 *gal*
Application event totals		4.02	0.00	0.00	385.70	

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
Process Wastewater	Process wastewater	5.86	2.05	16.63	97.43	241,129.74 *gal*
Application event totals		5.86	2.05	16.63	97.43	

4 - 06/23/2023: Corn, silage

Field name: 4

Crop: Corn, silage

Plant date: 06/23/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/06/2023	Broadcast/incorporate	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	115.20	34.80	106.80	0.00	114.00 *ton*
Application event totals		115.20	34.80	106.80	0.00	

4 - 06/23/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/31/2023	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
Process Wastewater	Process wastewater	20.92	6.73	58.90	363.09	961,260.45 *gal*
Mill Creek	Surface water	8.88	0.00	0.00	850.82	33,689,734.89 *gal*
Application event totals		29.80	6.73	58.90	1,213.91	

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
Process Wastewater	Process wastewater	65.60	23.57	138.25	809.76	599,565.84 *gal*
Application event totals		65.60	23.57	138.25	809.76	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/31/2023	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
3	Ground water	101.45	0.00	0.00	1,655.18	10,381,612.86 *gal*
Application event totals		101.45	0.00	0.00	1,655.18	

5 - 11/14/2022: Wheat, silage, soft dough

Field name: 5

Crop: Wheat, silage, soft dough

Plant date: 11/14/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
10/13/2022	Broadcast/incorporate	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	225.60	92.80	318.40	0.00	304.00 *ton*
Application event totals		225.60	92.80	318.40	0.00	

5 - 11/14/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
11/17/2022	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
Process Wastewater	Process wastewater	17.23	4.29	34.19	201.97	479,000.97 *gal*
1S	Ground water	5.82	0.00	0.00	182.56	5,519,915.94 *gal*
7	Ground water	5.18	0.00	0.00	151.77	3,994,933.26 *gal*
Application event totals		28.22	4.29	34.19	536.30	

01/16/2023	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
Mill Creek	Surface water	3.90	0.00	0.00	374.18	14,816,444.97 *gal*
Application event totals		3.90	0.00	0.00	374.18	

02/14/2023	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
Process Wastewater	Process wastewater	8.71	3.05	24.72	144.83	358,436.10 *gal*
Application event totals		8.71	3.05	24.72	144.83	

5 - 06/23/2023: Corn, silage

Field name: 5

Crop: Corn, silage

Plant date: 06/23/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/05/2023	Broadcast/incorporate	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	153.60	46.40	142.40	0.00	152.00 *ton*
Application event totals		153.60	46.40	142.40	0.00	

5 - 06/23/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/01/2023	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
Process Wastewater	Process wastewater	26.10	8.40	73.47	452.94	1,199,131.68 *gal*
Mill Creek	Surface water	5.72	0.00	0.00	548.48	21,717,969.15 *gal*
Application event totals		31.82	8.40	73.47	1,001.42	

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
Process Wastewater	Process wastewater	88.42	31.77	186.34	1,091.41	808,110.48 *gal*
Application event totals		88.42	31.77	186.34	1,091.41	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/04/2023	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
7	Ground water	32.39	0.00	0.00	768.92	21,375,825.60 *gal*
Application event totals		32.39	0.00	0.00	768.92	

6 - 11/14/2022: Wheat, silage, soft dough

Field name: 6

Crop: Wheat, silage, soft dough

Plant date: 11/14/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
10/13/2022	Broadcast/incorporate	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	169.20	69.60	238.80	0.00	228.00 *ton*
Application event totals		169.20	69.60	238.80	0.00	

6 - 11/14/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
11/15/2022	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
Process Wastewater	Process wastewater	8.67	2.16	17.21	101.67	241,129.74 *gal*
1S	Ground water	5.82	0.00	0.00	182.56	5,519,915.94 *gal*
7	Ground water	5.18	0.00	0.00	151.77	3,994,933.26 *gal*
Application event totals		19.67	2.16	17.21	436.00	

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
Mill Creek	Surface water	3.90	0.00	0.00	374.18	14,816,444.97 *gal*
Application event totals		3.90	0.00	0.00	374.18	

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
Process Wastewater	Process wastewater	5.86	2.05	16.63	97.43	241,129.74 *gal*
Application event totals		5.86	2.05	16.63	97.43	

6 - 06/24/2023: Corn, silage

Field name: 6

Crop: Corn, silage

Plant date: 06/24/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/09/2023	Broadcast/incorporate	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	153.60	46.40	142.40	0.00	152.00 *ton*
Application event totals		153.60	46.40	142.40	0.00	

6 - 06/24/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/03/2023	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
Process Wastewater	Process wastewater	31.34	10.09	88.24	544.02	1,440,261.42 *gal*
Mill Creek	Surface water	6.11	0.00	0.00	585.92	23,200,591.20 *gal*
Application event totals		37.46	10.09	88.24	1,129.94	

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
Process Wastewater	Process wastewater	91.99	33.05	193.85	1,135.42	840,695.58 *gal*
Application event totals		91.99	33.05	193.85	1,135.42	

08/06/2023	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
7	Ground water	31.60	0.00	0.00	750.16	20,854,464.00 *gal*
Application event totals		31.60	0.00	0.00	750.16	

7 - 11/09/2022: Wheat, silage, soft dough

Field name: 7

Crop: Wheat, silage, soft dough

Plant date: 11/09/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
10/13/2022	Broadcast/incorporate	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	225.60	92.80	318.40	0.00	280.00 *ton*
Application event totals		225.60	92.80	318.40	0.00	

7 - 11/09/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
11/11/2022	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
Process Wastewater	Process wastewater	18.71	4.66	37.12	219.28	479,000.97 *gal*
1S	Ground water	5.49	0.00	0.00	172.35	4,799,785.23 *gal*
7	Ground water	4.89	0.00	0.00	143.41	3,476,830.17 *gal*
Application event totals		29.09	4.66	37.12	535.04	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
01/12/2023	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
Mill Creek	Surface water	3.98	0.00	0.00	381.24	13,904,062.17 *gal*
Application event totals		3.98	0.00	0.00	381.24	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
02/11/2023	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
Process Wastewater	Process wastewater	15.82	5.53	44.89	263.03	599,565.84 *gal*
Application event totals		15.82	5.53	44.89	263.03	

7 - 06/26/2023: Corn, silage

Field name: 7

Crop: Corn, silage

Plant date: 06/26/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/08/2023	Broadcast/incorporate	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	153.60	46.40	142.40	0.00	140.00 *ton*
Application event totals		153.60	46.40	142.40	0.00	

7 - 06/26/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/03/2023	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
Process Wastewater	Process wastewater	22.71	7.31	63.94	394.21	961,260.45 *gal*
Mill Creek	Surface water	5.92	0.00	0.00	567.35	20,691,538.50 *gal*
Application event totals		28.63	7.31	63.94	961.56	

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
Process Wastewater	Process wastewater	92.52	33.24	194.97	1,141.96	778,783.89 *gal*
Application event totals		92.52	33.24	194.97	1,141.96	

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
7	Ground water	33.02	0.00	0.00	783.92	20,072,421.60 *gal*
Application event totals		33.02	0.00	0.00	783.92	

8 - 11/07/2022: Wheat, silage, soft dough

Field name: 8

Crop: Wheat, silage, soft dough

Plant date: 11/07/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
10/13/2022	Broadcast/incorporate	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	253.80	104.40	358.20	0.00	342.00 *ton*
Application event totals		253.80	104.40	358.20	0.00	

8 - 11/07/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
11/09/2022	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
Process Wastewater	Process wastewater	8.67	2.16	17.21	101.67	241,129.74 *gal*
1S	Ground water	5.82	0.00	0.00	182.56	5,519,915.94 *gal*
7	Ground water	5.18	0.00	0.00	151.77	3,994,933.26 *gal*
Application event totals		19.67	2.16	17.21	436.00	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
01/10/2023	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
Mill Creek	Surface water	3.78	0.00	0.00	362.66	14,360,253.57 *gal*
Application event totals		3.78	0.00	0.00	362.66	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
02/16/2023	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
Process Wastewater	Process wastewater	5.86	2.05	16.63	97.43	241,129.74 *gal*
Application event totals		5.86	2.05	16.63	97.43	

8 - 06/19/2023: Corn, silage

Field name: 8

Crop: Corn, silage

Plant date: 06/19/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/08/2023	Broadcast/incorporate	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	153.60	46.40	142.40	0.00	152.00 *ton*
Application event totals		153.60	46.40	142.40	0.00	

8 - 06/19/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/27/2023	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
Process Wastewater	Process wastewater	31.34	10.09	88.24	544.02	1,440,261.42 *gal*
Mill Creek	Surface water	5.84	0.00	0.00	560.00	22,174,160.55 *gal*
Application event totals		37.19	10.09	88.24	1,104.02	

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
Process Wastewater	Process wastewater	33.72	6.15	25.28	280.45	599,565.84 *gal*
Application event totals		33.72	6.15	25.28	280.45	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/31/2023	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
7	Ground water	33.58	0.00	0.00	797.05	22,157,868.00 *gal*
Application event totals		33.58	0.00	0.00	797.05	

9 - 04/24/2023: Corn, silage

Field name: 9

Crop: Corn, silage

Plant date: 04/24/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/13/2022	Broadcast/incorporate	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	282.00	116.00	398.00	0.00	680.00 *ton*
Application event totals		282.00	116.00	398.00	0.00	

9 - 04/24/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
03/28/2023	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
Process Wastewater	Process wastewater	4.87	1.70	13.81	80.94	358,436.10 *gal*
Mill Creek	Surface water	11.82	0.00	0.00	1,132.75	80,263,618.32 *gal*
Application event totals		16.69	1.70	13.81	1,213.69	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/23/2023	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
Process Wastewater	Process wastewater	5.87	1.89	16.51	101.80	482,259.48 *gal*
Application event totals		5.87	1.89	16.51	101.80	

B. NUTRIENT BUDGET

1 - 11/07/2022: Wheat, silage, soft dough

Field name: 1 Crop: Wheat, silage, soft dough Plant date: 11/07/2022

	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	197.40	81.20	278.60	0.00
Process wastewater	31.28	8.57	68.67	404.62
Fresh water	13.45	0.00	0.00	669.08
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	249.14	89.77	347.27	1,073.70
Anticipated crop nutrient removal	220.00	34.00	166.00	0.00
Actual crop nutrient removal	202.40	46.00	248.40	1,288.00
Nutrient balance	46.74	43.77	98.87	-214.30
Applied to removed ratio	1.23	1.95	1.40	0.83

Fresh water applied
4,359,886.38 *gallons*
160.56 *acre-inches*
22.94 *inches/acre*

Process wastewater applied
179,218.05 *gallons*
6.60 *acre-inches*
0.94 *inches/acre*

Total harvests for the crop
1 *harvests*

1 - 06/13/2023: Corn, silage

Field name: 1 Crop: Corn, silage Plant date: 06/13/2023

	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	192.00	58.00	178.00	0.00
Process wastewater	93.40	24.93	186.92	1,288.33
Fresh water	30.02	0.00	0.00	1,244.18
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	322.42	82.93	364.92	2,532.52
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00
Actual crop nutrient removal	266.00	53.20	347.20	980.98
Nutrient balance	56.42	29.73	17.72	1,551.54
Applied to removed ratio	1.21	1.56	1.05	2.58

Fresh water applied	
7,885,594.20	*gallons*
290.40	*acre-inches*
41.49	*inches/acre*

Process wastewater applied	
599,565.84	*gallons*
22.08	*acre-inches*
3.15	*inches/acre*

Total harvests for the crop	
1	*harvests*

2 - 11/19/2022: Wheat, silage, soft dough

Field name: 2 Crop: Wheat, silage, soft dough Plant date: 11/19/2022

	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	225.60	92.80	318.40	0.00
Process wastewater	25.45	7.14	57.28	337.34
Fresh water	40.89	0.00	0.00	1,067.54
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	298.94	99.94	375.68	1,404.88
Anticipated crop nutrient removal	220.00	34.00	166.00	0.00
Actual crop nutrient removal	282.00	54.00	396.00	1,965.60
Nutrient balance	16.94	45.94	-20.32	-560.72
Applied to removed ratio	1.06	1.85	0.95	0.71

Fresh water applied	
17,664,382.71	*gallons*
650.52	*acre-inches*
23.23	*inches/acre*

Process wastewater applied	
599,565.84	*gallons*
22.08	*acre-inches*
0.79	*inches/acre*

Total harvests for the crop	
1	*harvests*

2 - 06/17/2023: Corn, silage

Field name: 2 Crop: Corn, silage Plant date: 06/17/2023

	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	115.20	34.80	106.80	0.00
Process wastewater	14.50	3.38	21.80	168.41
Fresh water	159.79	0.00	0.00	3,209.82
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	296.49	38.18	128.60	3,378.22
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00
Actual crop nutrient removal	247.00	49.40	322.40	910.91
Nutrient balance	49.49	-11.22	-193.80	2,467.31
Applied to removed ratio	1.20	0.77	0.40	3.71

Fresh water applied	
32,676,338.28	*gallons*
1,203.36	*acre-inches*
42.98	*inches/acre*

Process wastewater applied	
299,782.92	*gallons*
11.04	*acre-inches*
0.39	*inches/acre*

Total harvests for the crop	
1	*harvests*

3 - 11/17/2022: Wheat, silage, soft dough

Field name: 3 Crop: Wheat, silage, soft dough Plant date: 11/17/2022

	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	225.60	92.80	318.40	0.00
Process wastewater	16.22	4.61	37.05	218.10
Fresh water	41.93	0.00	0.00	1,076.41
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	290.75	97.41	355.45	1,294.51
Anticipated crop nutrient removal	220.00	34.00	166.00	0.00
Actual crop nutrient removal	233.20	48.40	316.80	1,056.70
Nutrient balance	57.55	49.01	38.65	237.81
Applied to removed ratio	1.25	2.01	1.12	1.23

Fresh water applied	
24,367,137.78	*gallons*
897.36	*acre-inches*
23.01	*inches/acre*

Process wastewater applied	
540,912.66	*gallons*
19.92	*acre-inches*
0.51	*inches/acre*

Total harvests for the crop	
1	*harvests*

3 - 06/22/2023: Corn, silage

Field name: 3 Crop: Corn, silage Plant date: 06/22/2023

	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	115.20	34.80	106.80	0.00
Process wastewater	84.30	29.53	192.09	1,142.77
Fresh water	107.96	0.00	0.00	2,485.20
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	314.46	64.33	298.89	3,627.97
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00
Actual crop nutrient removal	265.00	47.50	282.50	1,348.95
Nutrient balance	49.46	16.83	16.39	2,279.02
Applied to removed ratio	1.19	1.35	1.06	2.69

Fresh water applied	
45,837,460.17	*gallons*
1,688.04	*acre-inches*
43.28	*inches/acre*

Process wastewater applied	
1,560,826.29	*gallons*
57.48	*acre-inches*
1.47	*inches/acre*

Total harvests for the crop	
1	*harvests*

4 - 11/16/2022: Wheat, silage, soft dough

Field name: 4 Crop: Wheat, silage, soft dough Plant date: 11/16/2022

	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	225.60	92.80	318.40	0.00
Process wastewater	16.65	4.74	38.02	223.84
Fresh water	41.39	0.00	0.00	1,078.84
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	290.63	97.54	356.42	1,302.68
Anticipated crop nutrient removal	220.00	34.00	166.00	0.00
Actual crop nutrient removal	228.00	56.00	292.00	1,432.08
Nutrient balance	62.63	41.54	64.42	-129.40
Applied to removed ratio	1.27	1.74	1.22	0.91

Fresh water applied	
24,187,919.73	*gallons*
890.76	*acre-inches*
23.44	*inches/acre*

Process wastewater applied	
540,912.66	*gallons*
19.92	*acre-inches*
0.52	*inches/acre*

Total harvests for the crop	
1	*harvests*

4 - 06/23/2023: Corn, silage

Field name: 4 Crop: Corn, silage Plant date: 06/23/2023

	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	115.20	34.80	106.80	0.00
Process wastewater	86.52	30.30	197.15	1,172.85
Fresh water	110.33	0.00	0.00	2,506.00
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	319.06	65.10	303.95	3,678.84
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00
Actual crop nutrient removal	272.50	50.00	270.00	1,412.90
Nutrient balance	46.56	15.10	33.95	2,265.94
Applied to removed ratio	1.17	1.30	1.13	2.60

Fresh water applied	
44,071,347.75	*gallons*
1,623.00	*acre-inches*
42.71	*inches/acre*

Process wastewater applied	
1,560,826.29	*gallons*
57.48	*acre-inches*
1.51	*inches/acre*

Total harvests for the crop	
1	*harvests*

5 - 11/14/2022: Wheat, silage, soft dough

Field name: 5 Crop: Wheat, silage, soft dough Plant date: 11/14/2022

	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	225.60	92.80	318.40	0.00
Process wastewater	25.94	7.34	58.90	346.80
Fresh water	14.90	0.00	0.00	708.52
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	273.44	100.14	377.30	1,055.32
Anticipated crop nutrient removal	220.00	34.00	166.00	0.00
Actual crop nutrient removal	249.00	51.00	375.00	1,969.77
Nutrient balance	24.44	49.14	2.30	-914.45
Applied to removed ratio	1.10	1.96	1.01	0.54

Fresh water applied	
24,331,294.17	*gallons*
896.04	*acre-inches*
23.58	*inches/acre*

Process wastewater applied	
837,437.07	*gallons*
30.84	*acre-inches*
0.81	*inches/acre*

Total harvests for the crop	
1	*harvests*

5 - 06/23/2023: Corn, silage

Field name: 5 Crop: Corn, silage Plant date: 06/23/2023

	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	153.60	46.40	142.40	0.00
Process wastewater	114.52	40.17	259.81	1,544.35
Fresh water	38.11	0.00	0.00	1,317.40
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	313.23	86.57	402.21	2,861.74
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00
Actual crop nutrient removal	275.60	46.80	254.80	959.40
Nutrient balance	37.63	39.77	147.41	1,902.34
Applied to removed ratio	1.14	1.85	1.58	2.98

Fresh water applied	
43,093,794.75	*gallons*
1,587.00	*acre-inches*
41.76	*inches/acre*

Process wastewater applied	
2,007,242.16	*gallons*
73.92	*acre-inches*
1.95	*inches/acre*

Total harvests for the crop	
1	*harvests*

6 - 11/14/2022: Wheat, silage, soft dough

Field name: 6 Crop: Wheat, silage, soft dough Plant date: 11/14/2022

	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	169.20	69.60	238.80	0.00
Process wastewater	14.54	4.21	33.84	199.10
Fresh water	14.90	0.00	0.00	708.52
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	205.63	73.81	272.64	907.62
Anticipated crop nutrient removal	220.00	34.00	166.00	0.00
Actual crop nutrient removal	180.00	28.00	216.00	785.92
Nutrient balance	25.63	45.81	56.64	121.70
Applied to removed ratio	1.14	2.64	1.26	1.15

Fresh water applied	
24,331,294.17	*gallons*
896.04	*acre-inches*
23.58	*inches/acre*

Process wastewater applied	
482,259.48	*gallons*
17.76	*acre-inches*
0.47	*inches/acre*

Total harvests for the crop	
1	*harvests*

6 - 06/24/2023: Corn, silage

Field name: 6 Crop: Corn, silage Plant date: 06/24/2023

	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	153.60	46.40	142.40	0.00
Process wastewater	123.33	43.14	282.10	1,679.44
Fresh water	37.71	0.00	0.00	1,336.08
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	321.65	89.54	424.50	3,015.52
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00
Actual crop nutrient removal	291.20	53.20	319.20	1,138.59
Nutrient balance	30.45	36.34	105.30	1,876.93
Applied to removed ratio	1.10	1.68	1.33	2.65

Fresh water applied	
44,055,055.20	*gallons*
1,622.40	*acre-inches*
42.69	*inches/acre*

Process wastewater applied	
2,280,957.00	*gallons*
84.00	*acre-inches*
2.21	*inches/acre*

Total harvests for the crop	
1	*harvests*

7 - 11/09/2022: Wheat, silage, soft dough

Field name: 7 Crop: Wheat, silage, soft dough Plant date: 11/09/2022

	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	225.60	92.80	318.40	0.00
Process wastewater	34.53	10.19	82.00	482.31
Fresh water	14.36	0.00	0.00	697.00
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	281.49	102.99	400.40	1,179.31
Anticipated crop nutrient removal	220.00	34.00	166.00	0.00
Actual crop nutrient removal	252.00	57.00	315.00	1,611.42
Nutrient balance	29.49	45.99	85.40	-432.11
Applied to removed ratio	1.12	1.81	1.27	0.73

Fresh water applied	
22,180,677.57	*gallons*
816.84	*acre-inches*
23.34	*inches/acre*

Process wastewater applied	
1,078,566.81	*gallons*
39.72	*acre-inches*
1.13	*inches/acre*

Total harvests for the crop	
1	*harvests*

7 - 06/26/2023: Corn, silage

Field name: 7 Crop: Corn, silage Plant date: 06/26/2023

	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	153.60	46.40	142.40	0.00
Process wastewater	115.23	40.55	258.91	1,536.17
Fresh water	38.94	0.00	0.00	1,351.27
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	314.77	86.95	401.31	2,887.44
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00
Actual crop nutrient removal	279.00	42.00	309.00	1,273.86
Nutrient balance	35.77	44.95	92.31	1,613.58
Applied to removed ratio	1.13	2.07	1.30	2.27

Fresh water applied	
40,763,960.10	*gallons*
1,501.20	*acre-inches*
42.89	*inches/acre*

Process wastewater applied	
1,740,044.34	*gallons*
64.08	*acre-inches*
1.83	*inches/acre*

Total harvests for the crop	
1	*harvests*

8 - 11/07/2022: Wheat, silage, soft dough

Field name: 8 Crop: Wheat, silage, soft dough Plant date: 11/07/2022

	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	253.80	104.40	358.20	0.00
Process wastewater	14.54	4.21	33.84	199.10
Fresh water	14.78	0.00	0.00	696.99
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	290.11	108.61	392.04	896.10
Anticipated crop nutrient removal	220.00	34.00	166.00	0.00
Actual crop nutrient removal	228.00	48.00	276.00	1,396.68
Nutrient balance	62.11	60.61	116.04	-500.58
Applied to removed ratio	1.27	2.26	1.42	0.64

Fresh water applied	
23,875,102.77	*gallons*
879.24	*acre-inches*
23.14	*inches/acre*

Process wastewater applied	
482,259.48	*gallons*
17.76	*acre-inches*
0.47	*inches/acre*

Total harvests for the crop	
1	*harvests*

8 - 06/19/2023: Corn, silage

Field name: 8 Crop: Corn, silage Plant date: 06/19/2023

	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	153.60	46.40	142.40	0.00
Process wastewater	65.06	16.24	113.52	824.47
Fresh water	39.42	0.00	0.00	1,357.05
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	265.08	62.64	255.92	2,181.52
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00
Actual crop nutrient removal	231.00	33.00	323.40	1,207.01
Nutrient balance	34.08	29.64	-67.48	974.51
Applied to removed ratio	1.15	1.90	0.79	1.81

Fresh water applied	
44,332,028.55	*gallons*
1,632.60	*acre-inches*
42.96	*inches/acre*

Process wastewater applied	
2,039,827.26	*gallons*
75.12	*acre-inches*
1.98	*inches/acre*

Total harvests for the crop	
1	*harvests*

9 - 04/24/2023: Corn, silage

Field name: 9 Crop: Corn, silage Plant date: 04/24/2023

	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	282.00	116.00	398.00	0.00
Process wastewater	10.73	3.59	30.32	182.73
Fresh water	11.82	0.00	0.00	1,132.75
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	318.55	119.59	428.32	1,315.48
Anticipated crop nutrient removal	280.00	52.50	231.00	0.00
Actual crop nutrient removal	284.20	40.60	237.80	999.80
Nutrient balance	34.35	78.99	190.52	315.68
Applied to removed ratio	1.12	2.95	1.80	1.32

Fresh water applied	
80,263,618.32	*gallons*
2,955.84	*acre-inches*
43.47	*inches/acre*

Process wastewater applied	
840,695.58	*gallons*
30.96	*acre-inches*
0.46	*inches/acre*

Total harvests for the crop	
1	*harvests*

NUTRIENT ANALYSES

A. MANURE ANALYSES

22I1813

Sample and source description: 22I1813

Sample date: 09/28/2022 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 2.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	14,100.00	5,800.00	19,900.00							0.00
DL	100.00	100.00	30.00							0.01

23F0951

Sample and source description: 23F0951

Sample date: 06/08/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 6.8 %

	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	19,200.00	5,800.00	17,800.00							0.00
DL	100.00	100.00	30.00							0.01

23K1058

Sample and source description: 23K1058

Sample date: 11/20/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 48.1 %

	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	11,000.00	3,800.00	12,000.00							0.00
DL	100.00	100.00	30.00							0.01

B. PROCESS WASTEWATER ANALYSES

22L0570 DVF3

Sample and source description: 22L0570 DVF3

Sample date: 12/07/2022 Material type: Process wastewater Source of analysis: Lab analysis pH:

	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	163.00	108.00	0.00	0.80	40.80	325.00								3,450.00	1,920
DL	0.70	0.02	0.01	0.01	0.02	0.20								1.00	10

22L0571 DVF1&2

Sample and source description: 22L0571 DVF1&2

Sample date: 12/07/2022 Material type: Process wastewater Source of analysis: Lab analysis pH:

	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	595.00	292.00	0.00	0.90	349.00	1,170.00								12,900.00	5,200
DL	0.70	0.20	0.01	0.01	0.02	0.20								1.00	10

23C0959 DVF1&2

Sample and source description: 23C0959 DVF1&2

Sample date: 03/30/2023 Material type: Process wastewater Source of analysis: Lab analysis pH:

	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	346.00	212.50	0.00	0.80	112.00	976.00								10,000.00	5,450
DL	0.70	0.20	0.01	0.01	0.02	0.20								1.00	10

23C0962 DVF3

Sample and source description: 23C0962 DVF3

Sample date: 03/30/2023 Material type: Process wastewater Source of analysis: Lab analysis pH:

	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	110.00	69.30	0.00	0.70	38.70	314.00								3,030.00	1,840
DL	0.70	0.20	0.01	0.01	0.02	0.20								1.00	10

23F0920 DVF1&2

Sample and source description: 23F0920 DVF1&2

Sample date: 06/07/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: _____

	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	332.50	207.00	0.00	0.50	79.30	550.00								7,090.00	3,240
DL	0.70	0.20	0.01	0.01	0.02	0.20								1.00	10

23F0921 DVF3

Sample and source description: 23F0921 DVF3

Sample date: 06/07/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: _____

	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	98.80	97.20	0.00	0.30	31.90	279.00								3,180.00	1,720
DL	0.70	0.20	0.01	0.01	0.02	0.20								1.00	10

23I1786 DVF1&2

Sample and source description: 23I1786 DVF1&2

Sample date: 09/27/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: _____

	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	498.00	257.00	0.00	0.25	179.00	1,050.00								11,200.00	6,150
DL	0.70	0.20	0.01	0.01	0.02	0.20								1.00	10

23I1788 DVF3

Sample and source description: 23I1788 DVF3

Sample date: 09/27/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: _____

	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	256.00	134.00	0.00	0.10	46.70	192.00								2,820.00	2,130
DL	0.70	0.20	0.01	0.01	0.02	0.20								1.00	10

23K1060 DVF3

Sample and source description: 23K1060 DVF3

Sample date: 11/20/2023 Material type: Process wastewater Source of analysis: Lab analysis pH:

	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	226.00	145.00	0.00	0.60	43.10	443.00								4,080.00	2,780
DL	0.70	0.20	0.01	0.01	0.02	0.20								1.00	10

23K1061 DVF1&2

Sample and source description: 23K1061 DVF1&2

Sample date: 11/20/2023 Material type: Process wastewater Source of analysis: Lab analysis pH:

	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	640.00	32.30	0.00	0.55	215.00	1,350.00								12,900.00	7,000
DL	0.70	0.20	0.01	0.01	0.02	0.20								1.00	10

C. FRESH WATER ANALYSES

1S

22L0717

Sample description: 22L0717

Sample date: 12/12/2022 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	4.80								251.00	
DL		0.20	0.01								1.00	

1S

23L1151

Sample description: 23L1151

Sample date: 12/18/2023 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	3.90	3.40	0.00	44.00	31.40	24.00	12.90	14.20	232.00	138
DL		0.20	0.01	0.10	0.10	0.03	3.00	0.90	0.03	0.03	1.00	10

3

22D1976

Sample description: 22D1976

Sample date: 04/27/2022 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	34.30	64.50	1.20	103.00	71.30	0.00	77.80	84.20	933.00	563
DL		0.20	0.01	0.10	0.10	0.03	3.00	0.90	0.03	0.03	1.00	10

23L1150

Sample description: 23L1150

Sample date: 12/18/2023 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	44.50								1,210.00	
DL		0.20	0.01								1.00	

7

7

22D1976

Sample description: 22D1976

Sample date: 04/27/2022 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	5.90	7.30	0.00	48.00	9.89	43.00	18.30	19.10	322.00	173
DL		0.20	0.01	0.10	0.10	0.03	3.00	0.90	0.03	0.03	1.00	10

23L1150

Sample description: 23L1150

Sample date: 12/18/2023 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	6.90								273.00	
DL		0.20	0.01								1.00	

9

22L0719

Sample description: 22L0719

Sample date: 12/12/2022 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	46.00	200.00	10.60	78.00	262.00	0.00	120.00	67.70	1,340.00	884
DL		0.20	0.01	0.10	0.10	0.03	3.00	0.90	0.03	0.03	1.00	10

9

23L1150

Sample description: 23L1150

Sample date: 12/18/2023 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	3.60								228.00	
DL		0.20	0.01								1.00	

Mill Creek

23C0963

Sample description: 23C0963

Sample date: 03/30/2023 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	1.20								119.00	115
DL		0.20	0.01								1.00	10

D. SOIL ANALYSES

No soil analyses entered.

E. PLANT TISSUE ANALYSES

1 - 11/07/2022: Wheat, silage, soft dough

1 - 11/07/2022: Wheat, silage, soft dough

23L1134

Sample and source description: 23L1134

Sample date: 12/19/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 72.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,400.00	1,000.00	5,400.00		10.00
DL	0.10	0.10	0.10		0.01

1 - 06/13/2023: Corn, silage

23L1127

Sample and source description: 23L1127

Sample date: 12/19/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 61.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,750.00	950.00	6,200.00		4.55
DL	0.10	0.10	0.10		0.01

2 - 11/19/2022: Wheat, silage, soft dough

23L1134

Sample and source description: 23L1134

Sample date: 12/19/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 37.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	9,400.00	1,800.00	13,200.00		10.50
DL	0.10	0.10	0.10		0.01

2 - 06/17/2023: Corn, silage

23L1127

Sample and source description: 23L1127

Sample date: 12/19/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 61.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,750.00	950.00	6,200.00		4.55
DL	0.10	0.10	0.10		0.01

3 - 11/17/2022: Wheat, silage, soft dough

23L1134

Sample and source description: 23L1134

Sample date: 12/19/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 68.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,300.00	1,100.00	7,200.00		7.60
DL	0.10	0.10	0.10		0.01

3 - 06/22/2023: Corn, silage

23L0878/23L1127

Sample and source description: 23L0878/23L1127

Sample date: 12/13/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 60.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,300.00	950.00	5,650.00		6.90
DL	0.10	0.10	0.10		0.01

4 - 11/16/2022: Wheat, silage, soft dough

23L1134

Sample and source description: 23L1134

Sample date: 12/19/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 64.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,700.00	1,400.00	7,300.00		10.20
DL	0.10	0.10	0.10		0.01

4 - 06/23/2023: Corn, silage

23L0878/23L1127

Sample and source description: 23L0878/23L1127

Sample date: 12/13/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 60.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,450.00	1,000.00	5,400.00		7.10
DL	0.10	0.10	0.10		0.01

5 - 11/14/2022: Wheat, silage, soft dough

23L1134

Sample and source description: 23L1134

Sample date: 12/19/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 48.3 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	8,300.00	1,700.00	12,500.00		12.70
DL	0.10	0.10	0.10		0.01

5 - 06/23/2023: Corn, silage

23L0878/23L1127

Sample and source description: 23L0878/23L1127

Sample date: 12/13/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 63.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,300.00	900.00	4,900.00		5.00
DL	0.10	0.10	0.10		0.01

6 - 11/14/2022: Wheat, silage, soft dough

23L1134

Sample and source description: 23L1134

Sample date: 12/19/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 69.3 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,500.00	700.00	5,400.00		6.40
DL	0.10	0.10	0.10		0.01

6 - 06/24/2023: Corn, silage

23L0878/23L1127

Sample and source description: 23L0878/23L1127

Sample date: 12/13/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 60.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,200.00	950.00	5,700.00		5.20
DL	0.10	0.10	0.10		0.01

7 - 11/09/2022: Wheat, silage, soft dough

23L1134

Sample and source description: 23L1134

Sample date: 12/19/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 49.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	8,400.00	1,900.00	10,500.00		10.70
DL	0.10	0.10	0.10		0.01

7 - 06/26/2023: Corn, silage

23L0878/23L1127

Sample and source description: 23L0878/23L1127

Sample date: 12/13/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 66.3 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,650.00	700.00	5,150.00		6.30
DL	0.10	0.10	0.10		0.01

8 - 11/07/2022: Wheat, silage, soft dough

23L1134

Sample and source description: 23L1134

Sample date: 12/19/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 66.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,700.00	1,200.00	6,900.00		10.30
DL	0.10	0.10	0.10		0.01

8 - 06/19/2023: Corn, silage

23L0878

Sample and source description: 23L0878

Sample date: 12/13/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 74.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	3,500.00	500.00	4,900.00		7.20
DL	0.10	0.10	0.10		0.01

9 - 04/24/2023: Corn, silage

24B0113

Sample and source description: 24B0113

Sample date: 01/31/2024 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 66.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,900.00	700.00	4,100.00		5.10
DL	0.10	0.10	0.10		0.01

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	113,115.00	42,560.40	142,053.00	0.00
Process wastewater	29,405.16	9,593.42	65,586.98	397,376.08
Fresh water	26,276.84	0.00	0.00	789,735.11
Atmospheric deposition	4,606.00	0.00	0.00	0.00
Total nutrients applied	173,403.00	52,153.82	207,639.98	1,187,111.20
Anticipated crop nutrient removal	139,100.00	24,189.00	110,712.00	0.00
Actual crop nutrient removal	149,732.60	27,463.50	174,070.70	750,706.42
Nutrient balance	23,670.40	24,690.32	33,569.28	436,404.78
Applied to removed ratio	1.16	1.90	1.19	1.58

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?	Yes
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

1. As stated in the Annual Report, and required by the General Order, the dairies onsite Nutrient Management Plan has been updated and completed by a certified agronomist. The dairy conducts its nutrient budgeting based on this certified plan, and only uses the Annual Report as a complimentary guide. Submission of the nutrient budget in this annual report is done solely to satisfy the requirements of the General Orders monitoring and reporting section.

2. All graphs in the annual report display an amount of applied and removed salt. There are many ways inputs and exports of salt can accounted for. The Merced County website does not account for all of them. The graphs convey a partial / incomplete portrayal of salts (depending on how salts are defined, measured, and evaluated).

3. The General Order requires the submission of all land applications in the "calendar year" of the reporting period. This has been submitted. However, land applications that occur post harvest of the Fall forage of the previous calendar year are intended for the use of the Spring forage of the following calendar year (reporting period) as crop cycles do not work on calendar year dates. When such land applications occur in the previous calendar year, previous years analytical data representing the applications have been inputted to represent nutrients intended for the reporting periods Spring crop. As such, any land application that occurs post harvest of the Fall forage in the reporting period that is intended for the Spring forage of the following calendar year will not be inputted until the following years Annual Report so that the Merced County reporting program software does not mistakenly apply these applications to the incorrect crops as there is no way to accurately differentiate and display this situation in the Annual Report software.

4. All wastewater land applications were summarized by quarter using the corresponding wastewater quarterly sample to represent nutrient amounts applied. One application date per quarter per crop has been selected to represent all applications of wastewater for that crop during that quarter. The Annual Reports' nutrient budget is accurate to the Merced County website standards as the proper quarterly sample has been selected to represent nutrients applied during that specific quarter. Day specific records are kept on site and available upon request.

All fresh water land applications during the report period have been summarized into one application per source per crop. One application date has been selected to represent the reporting period for that crop. The Annual Reports' nutrient budget is accurate to the Merced County website standards as the proper source sample has been selected to represent nutrients applied during the reporting period. Day specific records are kept on site and available upon request.

5. Due to high volumes of available canal water, most, if not all wells remained idle during the growing season. Therefore little to no well samples exist. They will be sampled again when operable.

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
Harold Dragt	Darren Dias
PRINT OR TYPE NAME	PRINT OR TYPE NAME
11-30-23	11-30-23
DATE	DATE

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

Delta View Farms #3
4845 Avenue 304
Visalia, CA 93291

Account# 00-0021283
Account Manager: Ben Nydam
Submitted By: Darren
Ranch: 4995 Ave 304 Visalia

Received: 03/31/2023 7:15
Reported: 04/07/2023 09:38

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23C0963-01	Mill Creek Sur	Ag Water	Client - Picked up by Cynthia Tiermersma		03/30/2023 7:00

Default Cooler Temperature on Receipt °C: -0.3
Containers Intact
COC/Labels Agree
Received On Ice

Notes and Definitions

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

Scott McFriedland

Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

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Ranch: 4995 Ave 304 Visalia

Received: 03/31/2023 7:15
Reported: 04/07/2023 09:38

Sample Results

Sample: Mill Creek Sur
23C0963-01 (Water)

Sampled: 3/30/2023 7:00
Sampled By: Client - Picked up by Cynthia Tierme

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.12**	mmhos/cm	0.01	1		04/05/23 11:26	SM 2510 B		BEC0804
Electrical Conductivity umhos	**119**	umhos/cm	10.0	1		04/05/23 11:26	SM 2510 B		BEC0804
Nitrate Nitrogen as NO3N	**1.2**	mg/L	0.1	1	10	04/01/23 00:12	EPA 300.0		BEC0806
pH	**7.7**	units	1.0	1		04/05/23 11:26	SM 4500-H+	H	BEC0804
Total Filterable Solids (TDS)	**115**	mg/L	10.0	1		04/06/23 14:00	SM 2540 C		BEC0814
Temperature	**25.0**	°C	0.0	1		04/05/23 11:26	SM 2510 B		BEC0804

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Quality Control

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEC0804										
Blank (BEC0804-BLK1)					Prepared & Analyzed: 4/5/2023					
pH	5.6		1.0	units						
Electrical Conductivity	ND		0.01	mmhos/cm						
Temperature	25.0		0.0	°C						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Blank (BEC0804-BLK2)					Prepared & Analyzed: 4/5/2023					
Electrical Conductivity	ND		0.01	mmhos/cm						
pH	7.2		1.0	units						
Temperature	25.0		0.0	°C						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Blank (BEC0804-BLK3)					Prepared & Analyzed: 4/5/2023					
Electrical Conductivity	ND		0.01	mmhos/cm						
pH	7.2		1.0	units						
Temperature	25.0		0.0	°C						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Duplicate (BEC0804-DUP1)		**Source: 23C0954-01**			Prepared & Analyzed: 4/5/2023					
pH	7.9		1.0	units		7.9			0.126	10
Electrical Conductivity	6.02		0.01	mmhos/cm		5.93			1.54	10
Electrical Conductivity umhos	6020		10.0	umhos/cm		5930			1.54	10
Duplicate (BEC0804-DUP2)		**Source: 23D0202-01**			Prepared & Analyzed: 4/5/2023					
pH	7.6		1.0	units		7.6			0.526	10
Electrical Conductivity	0.46		0.01	mmhos/cm		0.46			0.0648	10
Electrical Conductivity umhos	463		10.0	umhos/cm		463			0.0648	10
Reference (BEC0804-SRM1)					Prepared & Analyzed: 4/5/2023					
Electrical Conductivity	560			umhos/cm	538.0		104	90-110		
Reference (BEC0804-SRM2)					Prepared & Analyzed: 4/5/2023					
pH	7.8			units	7.790		100	.7163-101.28		
Reference (BEC0804-SRM3)					Prepared & Analyzed: 4/5/2023					
Electrical Conductivity	1030			umhos/cm	1000		103	90-110		
Electrical Conductivity umhos	1030			umhos/cm	1000		103	90-110		
Reference (BEC0804-SRM4)					Prepared & Analyzed: 4/5/2023					
Electrical Conductivity	1050			umhos/cm	1000		105	90-110		
Electrical Conductivity umhos	1050			umhos/cm	1000		105	90-110		
Reference (BEC0804-SRM5)					Prepared & Analyzed: 4/5/2023					
Electrical Conductivity	1070			umhos/cm	1000		107	90-110		

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Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEC0804 (Continued)										
Reference (BEC0804-SRM5)					Prepared & Analyzed: 4/5/2023					
Electrical Conductivity umhos	1070			umhos/cm	1000		107	90-110		
Reference (BEC0804-SRM6)					Prepared & Analyzed: 4/5/2023					
pH	4.0			units	4.000		100	97.5-102.5		
Reference (BEC0804-SRM7)					Prepared & Analyzed: 4/5/2023					
pH	4.0			units	4.000		100	97.5-102.5		
Reference (BEC0804-SRM8)					Prepared & Analyzed: 4/5/2023					
pH	4.0			units	4.000		100	97.5-102.5		

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Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEC0806										
Blank (BEC0806-BLK1)					Prepared & Analyzed: 3/31/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Blank (BEC0806-BLK2)					Prepared & Analyzed: 3/31/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Blank (BEC0806-BLK3)					Prepared & Analyzed: 4/1/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
LCS (BEC0806-BS1)					Prepared & Analyzed: 3/31/2023					
Nitrate Nitrogen as NO3N	5.3		0.1	mg/L	5.000		105	90-110		
LCS (BEC0806-BS2)					Prepared & Analyzed: 4/1/2023					
Nitrate Nitrogen as NO3N	5.1		0.1	mg/L	5.000		102	90-110		
Duplicate (BEC0806-DUP1)		**Source: 23C0103-01**			Prepared & Analyzed: 3/31/2023					
Nitrate Nitrogen as NO3N	1.6		0.1	mg/L		1.6			0.190	10
Duplicate (BEC0806-DUP2)		**Source: 23C0978-01**			Prepared & Analyzed: 4/1/2023					
Nitrate Nitrogen as NO3N	1.1		0.1	mg/L		1.1			1.02	10
Matrix Spike (BEC0806-MS1)		**Source: 23C0103-01**			Prepared & Analyzed: 3/31/2023					
Nitrate Nitrogen as NO3N	7.3		0.1	mg/L	5.000	1.6	114	90-110		
Matrix Spike (BEC0806-MS2)		**Source: 23C0978-01**			Prepared & Analyzed: 4/1/2023					
Nitrate Nitrogen as NO3N	6.3		0.1	mg/L	5.000	1.1	105	90-110		
Reference (BEC0806-SRM1)					Prepared & Analyzed: 3/31/2023					
Nitrate Nitrogen as NO3N	10.3			mg/L	10.00		103	90-110		
Reference (BEC0806-SRM2)					Prepared & Analyzed: 3/31/2023					
Nitrate Nitrogen as NO3N	10.4			mg/L	10.00		104	90-110		
Reference (BEC0806-SRM3)					Prepared & Analyzed: 4/1/2023					
Nitrate Nitrogen as NO3N	10.4			mg/L	10.00		104	90-110		

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Received: 03/31/2023 7:15
Reported: 04/07/2023 09:38

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEC0814										
Blank (BEC0814-BLK1)					Prepared: 3/31/2023 Analyzed: 4/6/2023					
Total Filterable Solids (TDS)	10.0		10.0	mg/L						
Duplicate (BEC0814-DUP1)			**Source: 23C0930-01**		Prepared: 3/31/2023 Analyzed: 4/6/2023					
Total Filterable Solids (TDS)	2360		10.0	mg/L		2320			1.71	5
Duplicate (BEC0814-DUP2)			**Source: 23C0960-01**		Prepared: 3/31/2023 Analyzed: 4/6/2023					
Total Filterable Solids (TDS)	3300		10.0	mg/L		3340			1.20	5
Reference (BEC0814-SRM1)					Prepared: 3/31/2023 Analyzed: 4/6/2023					
Total Filterable Solids (TDS)	320			mg/L	325.0		98.5	90-110		

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03/31/23 07:15 23C0963

WATER WORK REQUEST

Bill To: Acct No. 21283 Cons. 08

Purchase Order No. Results Needed By

Client: Delta View Farms #3
Address: 4845 Ave. 304
City, State, Zip: Visalia, CA 93291
Email: deltaviewfarms@aol.com

Copy to: solaconsultinginc@gmail.com

Requested by/Cell: Darren 469-6705

Facility: 4995 Ave 304 Visalia

Date sampled: 3/30/2023

Sampled by: Client - picked up by Cynthia Tiemersma

☑ 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 559 268-817

3.31.23

No. of Samples 1 No. Bottles

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

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

☐ 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.	Mill Creek Sur	Sampled From:	3/30/2023	7:00-7:30		-0.3
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	[signature]	DLI	3/30/23 10:37	3/30/23 12:38
Second				
Third				
Fourth	[signature]	DLI	3/31 0815	

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:
Invoicing
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

03/31/23 07:15 23C0963

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)										
Plastics	250 mL unpreserved (White) Plastic										
Plastics	250 mL HNO_3 (Red) Plastic										
Plastics	* pH Value										
Plastics	250 mL H_2SO_4 (Yellow) Plastic	C									
Plastics	* pH Value	<2									
Plastics	500 mL unpreserved (White) Plastic										
Plastics	1 L unpreserved (White) Plastic	1									
Plastics	1 L unpreserved (BOD) (Purple) Plastic										
Special	500mL unpreserved (White) Glass										
Special	PO4-P Kit										
Special	**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)										
Plastics	250 mL unpreserved (White) Plastic										
Plastics	250 mL HNO_3 (Red) Plastic										
Plastics	250 mL H_2SO_4 (Yellow) Plastic										
Plastics	500 mL HNO_3 (Red)										
Plastics	1 L unpreserved (White) Plastic										
Plastics	1 L unpreserved (BOD) (Purple) Plastic										
Plastics	1 L HNO_3 (Red)										
VOA Vials	40 mL VOA, $Na_2S_2O_3$ + MCAA (EPA531)										
VOA Vials	40 mL VOA, $Na_2S_2O_3$ (EPA547)										
VOA Vials	40mL AG VOA unpreserved (White) (Set of 3)										
VOA Vials	40 mL AG VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
VOA Vials	40mL VOA, H_3PO_4 (Set of 3)										
VOA Vials	40 mL VOA, HCl (Blue) (Set of 3)										
VOA Vials	40 mL VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
Glass	250 mL AG unpreserved (White)										
Glass	250 mL AG H_2SO_4 (Yellow)										
Glass	250 mL AG $Na_2S_2O_3$ (Green)										
Glass	250 mL AG $Na_2S_2O_3$ + MCAA										
Glass	500 mL glass unpreserved (White)										
Glass	500 mL AG HCl (Blue)										
Glass	1 L AG unpreserved (White)										
Glass	1 L AG H_2SO_4 (Yellow)										
Glass	1 L AG $Na_2S_2O_3$ (Green)										
Glass	1 L AG HCl (Blue)										
Special	Cr^{6+} - 50mL Plastic w/Borate/HCO_3/CO_3										
Special	Cyanide - 500 mL NaOH										
Special	Asbestos - 1L P wrapped in foil (Set of 2)										
Special	Sulfide - 1 L **AG** or **P** NaOH + ZnAc										
Special	Chlorite/Bromate - 250 mL AG with EDA										
Special	HAA5 - 250mL AG Ammonium Chlorite										
Special	DO KIT										
Special	**Other:**										

DLI SEND OUT

DELLAVALLE™
LABORATORY INC

Delta View Farms #3
4845 Avenue 304
Visalia, CA 93291

Account# 00-0021283
Account Manager: Ben Nydam
Submitted By: Darren
Ranch: 4995 Ave 304 Visalia

Received: 12/14/2023 7:00
Reported: 12/21/2023 09:33

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23L0912-01	DE	Ag Water	Client - Picked up by Cynthia Tiemersma		12/13/2023 0:00

Default Cooler Temperature on Receipt °C: 0.3
Containers Intact
COC/Labels Agree
Received On Ice

Notes and Definitions

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

Scott McFriedland

Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

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Sample Results

Sample: DE
23L0912-01 (Water)

Sampled: 12/13/2023 0:00
Sampled By: Client - Picked up by Cynthia Tiemer

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO3	**236**	mg/L	10.0	1		12/19/23 16:24	SM 2320 B		BEL0722
Calcium	**128**	mg/L	0.1	1		12/19/23 09:56	EPA 200.7		BEL0571
Chloride	**73.7**	mg/L	0.2	1	250	12/15/23 07:01	EPA 300.0		BEL0595
Carbonate as CaCO3	ND	mg/L	1	1		12/19/23 16:24	SM 2320 B		BEL0722
Electrical Conductivity	**1.10**	mmhos/cm	0.01	1		12/19/23 16:24	SM 2510 B		BEL0722
Electrical Conductivity umhos	**1100**	umhos/cm	10.0	1		12/19/23 16:24	SM 2510 B		BEL0722
Bicarbonate as CaCO3	**236**	mg/L	5.00	1		12/19/23 16:24	SM 2320 B		BEL0722
Potassium	ND	mg/L	0.500	1		12/19/23 09:56	EPA 200.7		BEL0571
Magnesium	**4.2**	mg/L	0.1	1		12/19/23 09:56	EPA 200.7		BEL0571
Sodium	**87**	mg/L	1	1		12/19/23 09:56	EPA 200.7		BEL0571
Ammonia (as N)	*	mg/L	0.00	1		12/14/23 17:35	Field		BEL0647
Nitrate Nitrogen as NO3N	**19.9**	mg/L	0.1	1	10	12/15/23 07:01	EPA 300.0		BEL0595
Hydroxide as CaCO3	ND	mg/L	1.00	1		12/19/23 16:24	SM 2320 B		BEL0722
pH	**7.6**	units	1.0	1		12/19/23 16:24	SM 4500-H+	H	BEL0722
Temperature	**25.0**	units	0.0	1		12/19/23 16:24	SM 4500-H+	H	BEL0722
Sulfate (SO4)	**117**	mg/L	0.5	1	250	12/15/23 07:01	EPA 300.0		BEL0595
Total Filterable Solids (TDS)	**790**	mg/L	10.0	1		12/18/23 17:07	SM 2540 C		BEL0601

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Quality Control

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0571										
Blank (BEL0571-BLK1)					Prepared: 12/13/2023	Analyzed: 12/19/2023				
Sodium	ND		1	mg/L						
Calcium	ND		0.1	mg/L						
Potassium	ND		0.500	mg/L						
Magnesium	ND		0.1	mg/L						
Blank (BEL0571-BLK2)					Prepared: 12/13/2023	Analyzed: 12/19/2023				
Sodium	ND		1	mg/L						
Potassium	ND		0.500	mg/L						
Calcium	ND		0.1	mg/L						
Magnesium	ND		0.1	mg/L						
LCS (BEL0571-BS1)					Prepared: 12/18/2023	Analyzed: 12/19/2023				
Sodium	40		1	mg/L	35.71		111	90-110		
Potassium	37.3		0.500	mg/L	35.71		105	90-110		
Calcium	38.2		0.1	mg/L	35.71		107	90-110		
Magnesium	38.3		0.1	mg/L	35.71		107	90-110		
LCS (BEL0571-BS2)					Prepared: 12/13/2023	Analyzed: 12/19/2023				
Sodium	39		1	mg/L	35.71		108	90-110		
Calcium	37.4		0.1	mg/L	35.71		105	90-110		
Potassium	36.0		0.500	mg/L	35.71		101	90-110		
Magnesium	37.2		0.1	mg/L	35.71		104	90-110		
Duplicate (BEL0571-DUP1)		**Source: 23L0769-01**			Prepared: 12/18/2023	Analyzed: 12/19/2023				
Sodium	143		1	mg/L		142			0.0702	15
Calcium	6.7		0.1	mg/L		6.7			0.104	15
Potassium	ND		0.500	mg/L		ND				15
Magnesium	ND		0.1	mg/L		ND				15
Matrix Spike (BEL0571-MS1)		**Source: 23L0769-01**			Prepared: 12/18/2023	Analyzed: 12/19/2023				
Sodium	184		1	mg/L	35.71	142	116	90-110		
Calcium	47.8		0.1	mg/L	35.71	6.7	115	90-110		
Potassium	39.4		0.500	mg/L	35.71	ND	110	90-110		
Magnesium	39.7		0.1	mg/L	35.71	ND	111	90-110		
Matrix Spike (BEL0571-MS2)		**Source: 23L0880-01**			Prepared: 12/13/2023	Analyzed: 12/19/2023				
Sodium	81		1	mg/L	35.71	45	102	90-110		
Potassium	41.0		0.500	mg/L	35.71	4.94	101	90-110		
Calcium	72.9		0.1	mg/L	35.71	36.9	101	90-110		
Magnesium	48.6		0.1	mg/L	35.71	12.9	99.9	90-110		
Reference (BEL0571-SRM2)					Prepared: 12/13/2023	Analyzed: 12/19/2023				
Sodium	92			mg/L	91.50		100	90-110		

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Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0571 (Continued)										
Reference (BEL0571-SRM2)					Prepared: 12/13/2023	Analyzed: 12/19/2023				
Potassium	19.8			mg/L	21.90		90.6	90-110		
Reference (BEL0571-SRM3)					Prepared: 12/13/2023	Analyzed: 12/19/2023				
Calcium	45.9			mg/L	45.90		100	90-110		
Magnesium	35.3			mg/L	35.60		99.2	90-110		

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Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0595										
Blank (BEL0595-BLK1)					Prepared & Analyzed: 12/14/2023					
Chloride	ND		0.2	mg/L						
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Sulfate (SO4)	ND		0.5	mg/L						
Blank (BEL0595-BLK2)					Prepared & Analyzed: 12/14/2023					
Chloride	ND		0.2	mg/L						
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Sulfate (SO4)	ND		0.5	mg/L						
Blank (BEL0595-BLK3)					Prepared & Analyzed: 12/15/2023					
Chloride	ND		0.2	mg/L						
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Sulfate (SO4)	ND		0.5	mg/L						
Blank (BEL0595-BLK4)					Prepared & Analyzed: 12/15/2023					
Chloride	ND		0.2	mg/L						
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Sulfate (SO4)	ND		0.5	mg/L						
Blank (BEL0595-BLK5)					Prepared & Analyzed: 12/15/2023					
Chloride	ND		0.2	mg/L						
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Sulfate (SO4)	ND		0.5	mg/L						
LCS (BEL0595-BS1)					Prepared & Analyzed: 12/14/2023					
Chloride	4.7		0.2	mg/L	5.000		94.8	90-110		
Nitrate Nitrogen as NO3N	5.0		0.1	mg/L	5.000		99.1	90-110		
Sulfate (SO4)	4.4		0.5	mg/L	5.000		87.6	90-110		
LCS (BEL0595-BS2)					Prepared & Analyzed: 12/15/2023					
Chloride	4.8		0.2	mg/L	5.000		95.6	90-110		
Nitrate Nitrogen as NO3N	5.0		0.1	mg/L	5.000		99.9	90-110		
Sulfate (SO4)	4.4		0.5	mg/L	5.000		88.3	90-110		
LCS (BEL0595-BS3)					Prepared & Analyzed: 12/15/2023					
Chloride	4.9		0.2	mg/L	5.000		97.5	90-110		
Nitrate Nitrogen as NO3N	5.1		0.1	mg/L	5.000		102	90-110		
Sulfate (SO4)	4.5		0.5	mg/L	5.000		90.1	90-110		
LCS (BEL0595-BS4)					Prepared & Analyzed: 12/15/2023					
Chloride	4.9		0.2	mg/L	5.000		97.0	90-110		
Nitrate Nitrogen as NO3N	5.1		0.1	mg/L	5.000		101	90-110		
Sulfate (SO4)	4.5		0.5	mg/L	5.000		89.1	90-110		

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Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0595 (Continued)										
Duplicate (BEL0595-DUP1)			**Source: 23L0848-01**		Prepared & Analyzed: 12/14/2023					
Chloride	2.3		0.2	mg/L		2.4			0.679	10
Nitrate Nitrogen as NO3N	0.6		0.1	mg/L		0.6			0.630	10
Sulfate (SO4)	3.7		0.5	mg/L		3.8			0.721	10
Duplicate (BEL0595-DUP2)			**Source: 23L0877-02**		Prepared & Analyzed: 12/15/2023					
Chloride	24.7		0.2	mg/L		24.6			0.451	10
Nitrate Nitrogen as NO3N	0.08		0.1	mg/L		0.08			1.27	10
Sulfate (SO4)	14.0		0.5	mg/L		14.0			0.279	10
Duplicate (BEL0595-DUP3)			**Source: 23L0909-01**		Prepared & Analyzed: 12/15/2023					
Chloride	4.9		0.2	mg/L		5.0			0.425	10
Nitrate Nitrogen as NO3N	2.4		0.1	mg/L		2.4			0.371	10
Sulfate (SO4)	8.8		0.5	mg/L		8.8			0.329	10
Duplicate (BEL0595-DUP4)			**Source: 23L0963-01**		Prepared & Analyzed: 12/15/2023					
Chloride	33.6		0.2	mg/L		33.8			0.572	10
Nitrate Nitrogen as NO3N	19.5		0.1	mg/L		19.5			0.313	10
Sulfate (SO4)	31.0		0.5	mg/L		31.1			0.299	10
Matrix Spike (BEL0595-MS1)			**Source: 23L0848-01**		Prepared & Analyzed: 12/14/2023					
Chloride	7.6		0.2	mg/L	5.000	2.4	104	90-110		
Nitrate Nitrogen as NO3N	5.9		0.1	mg/L	5.000	0.6	105	90-110		
Sulfate (SO4)	8.9		0.5	mg/L	5.000	3.8	102	90-110		
Matrix Spike (BEL0595-MS2)			**Source: 23L0877-02**		Prepared & Analyzed: 12/15/2023					
Chloride	29.1		0.2	mg/L	5.000	24.6	90.2	90-110		
Nitrate Nitrogen as NO3N	5.3		0.1	mg/L	5.000	0.08	104	90-110		
Sulfate (SO4)	19.1		0.5	mg/L	5.000	14.0	103	90-110		
Matrix Spike (BEL0595-MS3)			**Source: 23L0909-01**		Prepared & Analyzed: 12/15/2023					
Chloride	10.1		0.2	mg/L	5.000	5.0	103	90-110		
Nitrate Nitrogen as NO3N	7.7		0.1	mg/L	5.000	2.4	105	90-110		
Sulfate (SO4)	13.8		0.5	mg/L	5.000	8.8	99.2	90-110		
Matrix Spike (BEL0595-MS4)			**Source: 23L0963-01**		Prepared & Analyzed: 12/15/2023					
Chloride	38.6		0.2	mg/L	5.000	33.8	96.1	90-110		
Nitrate Nitrogen as NO3N	24.7		0.1	mg/L	5.000	19.5	102	90-110		
Sulfate (SO4)	36.2		0.5	mg/L	5.000	31.1	102	90-110		
Reference (BEL0595-SRM1)					Prepared & Analyzed: 12/14/2023					
Chloride	12.8			mg/L	12.50		102	90-110		
Nitrate Nitrogen as NO3N	10.2			mg/L	10.00		102	90-110		

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Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0595 (Continued)										
Reference (BEL0595-SRM1)					Prepared & Analyzed: 12/14/2023					
Sulfate (SO4)	9.8			mg/L	10.00		97.8	90-110		
Reference (BEL0595-SRM2)					Prepared & Analyzed: 12/14/2023					
Chloride	12.8			mg/L	12.50		103	90-110		
Nitrate Nitrogen as NO3N	10.2			mg/L	10.00		102	90-110		
Sulfate (SO4)	9.8			mg/L	10.00		98.3	90-110		
Reference (BEL0595-SRM3)					Prepared & Analyzed: 12/15/2023					
Chloride	12.9			mg/L	12.50		103	90-110		
Nitrate Nitrogen as NO3N	10.2			mg/L	10.00		102	90-110		
Sulfate (SO4)	9.9			mg/L	10.00		98.5	90-110		
Reference (BEL0595-SRM4)					Prepared & Analyzed: 12/15/2023					
Chloride	12.9			mg/L	12.50		104	90-110		
Nitrate Nitrogen as NO3N	10.3			mg/L	10.00		103	90-110		
Sulfate (SO4)	9.9			mg/L	10.00		99.1	90-110		
Reference (BEL0595-SRM5)					Prepared & Analyzed: 12/15/2023					
Chloride	12.9			mg/L	12.50		103	90-110		
Nitrate Nitrogen as NO3N	10.3			mg/L	10.00		103	90-110		
Sulfate (SO4)	9.9			mg/L	10.00		99.0	90-110		

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Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0601										
Blank (BEL0601-BLK1)					Prepared: 12/14/2023	Analyzed: 12/18/2023				
Total Filterable Solids (TDS)	ND		10.0	mg/L						
LCS (BEL0601-BS1)					Prepared: 12/14/2023	Analyzed: 12/18/2023				
Total Filterable Solids (TDS)	38.8		10.0	mg/L	2000		1.94	0-200		
Duplicate (BEL0601-DUP1)			**Source: 23L0912-01**		Prepared: 12/14/2023	Analyzed: 12/18/2023				
Total Filterable Solids (TDS)	790		10.0	mg/L		790			0.00	10
Duplicate (BEL0601-DUP2)			**Source: 23L0985-03**		Prepared: 12/14/2023	Analyzed: 12/18/2023				
Total Filterable Solids (TDS)	900		10.0	mg/L		910			1.10	10
Reference (BEL0601-SRM1)					Prepared: 12/14/2023	Analyzed: 12/18/2023				
Total Filterable Solids (TDS)	413			mg/L	390.0		106	90-110		

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Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0722										
Blank (BEL0722-BLK1)					Prepared & Analyzed: 12/19/2023					
Carbonate as CaCO3	ND		1	mg/L						
Hydroxide as CaCO3	ND		1.00	mg/L						
Alkalinity as CaCO3	ND		10.0	mg/L						
Electrical Conductivity	ND		0.01	mmhos/cm						
pH	5.1		1.0	units						
Bicarbonate as CaCO3	ND		5.00	mg/L						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Temperature	25.0		0.0	units						
Blank (BEL0722-BLK2)					Prepared & Analyzed: 12/19/2023					
Alkalinity as CaCO3	ND		10.0	mg/L						
Hydroxide as CaCO3	ND		1.00	mg/L						
pH	5.4		1.0	units						
Carbonate as CaCO3	ND		1	mg/L						
Electrical Conductivity	ND		0.01	mmhos/cm						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Temperature	25.0		0.0	units						
Bicarbonate as CaCO3	ND		5.00	mg/L						
Blank (BEL0722-BLK3)					Prepared & Analyzed: 12/19/2023					
Electrical Conductivity	ND		0.01	mmhos/cm						
Carbonate as CaCO3	ND		1	mg/L						
Hydroxide as CaCO3	ND		1.00	mg/L						
Alkalinity as CaCO3	ND		10.0	mg/L						
pH	5.5		1.0	units						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Bicarbonate as CaCO3	ND		5.00	mg/L						
Temperature	25.0		0.0	units						
Duplicate (BEL0722-DUP1)		**Source: 23L0877-05**			Prepared & Analyzed: 12/19/2023					
Hydroxide as CaCO3	ND		1.00	mg/L		ND				10
pH	7.7		1.0	units		7.7			0.520	10
Electrical Conductivity	0.36		0.01	mmhos/cm		0.36			0.0275	10
Carbonate as CaCO3	ND		1	mg/L		ND				10
Alkalinity as CaCO3	119		10.0	mg/L		120			0.184	10
Electrical Conductivity umhos	363		10.0	umhos/cm		363			0.0275	10
Duplicate (BEL0722-DUP2)		**Source: 23L0909-03**			Prepared & Analyzed: 12/19/2023					
pH	8.0		1.0	units		7.6			4.61	10
Electrical Conductivity	0.31		0.01	mmhos/cm		0.32			3.04	10
Carbonate as CaCO3	ND		1	mg/L		ND				10
Hydroxide as CaCO3	ND		1.00	mg/L		ND				10
Alkalinity as CaCO3	116		10.0	mg/L		107			8.31	10

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DELLAVALLE™
LABORATORY INC

Delta View Farms #3
4845 Avenue 304
Visalia, CA 93291

Account# 00-0021283
Account Manager: Ben Nydam
Submitted By: Darren
Ranch: 4995 Ave 304 Visalia

Received: 12/14/2023 7:00
Reported: 12/21/2023 09:33

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0722 (Continued)										
Duplicate (BEL0722-DUP2)			**Source: 23L0909-03**		Prepared & Analyzed: 12/19/2023					
Electrical Conductivity umhos	311		10.0	umhos/cm		320			3.04	10
Reference (BEL0722-SRM1)					Prepared & Analyzed: 12/19/2023					
Alkalinity as CaCO3	127			mg/L	128.0		99.4	90-110		
Electrical Conductivity	429			umhos/cm	426.0		101	90-110		
Reference (BEL0722-SRM2)					Prepared & Analyzed: 12/19/2023					
Alkalinity as CaCO3	128			mg/L	128.0		99.9	90-110		
Electrical Conductivity	432			umhos/cm	426.0		101	90-110		
Reference (BEL0722-SRM3)					Prepared & Analyzed: 12/19/2023					
Electrical Conductivity	434			umhos/cm	426.0		102	90-110		
Alkalinity as CaCO3	138			mg/L	128.0		108	90-110		
Reference (BEL0722-SRM4)					Prepared & Analyzed: 12/19/2023					
pH	4.0			units	4.000		101	97.5-102.5		
Reference (BEL0722-SRM5)					Prepared & Analyzed: 12/19/2023					
pH	4.0			units	4.000		101	97.5-102.5		
Reference (BEL0722-SRM6)					Prepared & Analyzed: 12/19/2023					
pH	4.0			units	4.000		99.5	97.5-102.5		
Reference (BEL0722-SRM7)					Prepared & Analyzed: 12/19/2023					
pH	7.5			units	7.520		100	67021-101.32		

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12/14/23 07:00

23L0912

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

Bill To: Acct No. 21283 Cons. 08

No. of Samples (No. Bottles (

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

Purchase Order No. Results Needed By

Client: **Delta View Farms #3**
Address: 4845 Ave. 304
City, State, Zip: Visalia, CA 93291
Email: deltaviewfarms@aol.com

Copy to: solaconsultinginc@gmail.com

Requested by/Cell: Darren 469-6705

Facility: 4995 Ave 304 Visalia

Date sampled: 12/13/23

Sampled by: picked up by CH

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

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

- [ ] DWW1: (EC, pH, NO_3-N, **NH_4-N Field Test)**
  (1) l L plastic, unpreserved (white)
- [x] 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

		Sampled From:	Date Sampled	Time Sampled	Field NH4-N (mg/L)	Received Temp °C
1.	DE		12/13	—		0.3
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						

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

CHAIN OF CUSTODY

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First	CH	DLI	12/13/23 3:29	12/13/23 4:16
Second				
Third				
Fourth		DLI	12/14/23 07:00	

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:
Price List 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

12/14/23 07:00 23L0912

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 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:										

DELLAVALLE™
LABORATORY INC

Delta View Farms #3
4845 Avenue 304
Visalia, CA 93291

Account# 00-0021283
Account Manager: Ben Nydam
Submitted By: Darren
Ranch: 4995 Ave 304 Visalia

Received: 12/20/2023 8:10
Reported: 12/27/2023 08:40

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23L1150-01	DW Rd 44	Ground Water	Client/Cynthia Tiemersma		12/18/2023 0:00
23L1150-02	Well #3	Ground Water	Client/Cynthia Tiemersma		12/18/2023 0:00
23L1150-03	Well #7	Ground Water	Client/Cynthia Tiemersma		12/18/2023 0:00
23L1150-04	Well #9	Ground Water	Client/Cynthia Tiemersma		12/18/2023 0:00

Default Cooler Temperature on Receipt °C: -1.5
Containers Intact
COC/Labels Agree
Received On Ice
Time Sampled Not Provided

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

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LABORATORY INC

Delta View Farms #3
4845 Avenue 304
Visalia, CA 93291

Account# 00-0021283
Account Manager: Ben Nydam
Submitted By: Darren
Ranch: 4995 Ave 304 Visalia

Received: 12/20/2023 8:10
Reported: 12/27/2023 08:40

Sample Results

Sample: DW Rd 44
23L1150-01 (Water)

Sampled: 12/18/2023 0:00
Sampled By: Client/Cynthia Tiemersma

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**1.14**	mmhos/cm	0.01	1		12/20/23 15:07	SM 2510 B		BEL0762
Electrical Conductivity umhos	**1140**	umhos/cm	10.0	1		12/20/23 15:07	SM 2510 B		BEL0762
Ammonia (as N)	*	mg/L	0.00	1		12/20/23 09:36	Field		BEL0765
Nitrate Nitrogen as NO3N	**55.3**	mg/L	0.1	1	10	12/20/23 20:03	EPA 300.0		BEL0768
Temperature	**25.0**	units	0.0	1		12/20/23 15:07	SM 4500-H+	H	BEL0762
pH	**7.4**	units	1.0	1		12/20/23 15:07	SM 4500-H+	H	BEL0762

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LABORATORY INC

Delta View Farms #3
4845 Avenue 304
Visalia, CA 93291

Account# 00-0021283
Account Manager: Ben Nydam
Submitted By: Darren
Ranch: 4995 Ave 304 Visalia

Received: 12/20/2023 8:10
Reported: 12/27/2023 08:40

Sample Results
(Continued)

Sample: Well #3
23L1150-02 (Water)

Sampled: 12/18/2023 0:00
Sampled By: Client/Cynthia Tiemersma

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**1.21**	mmhos/cm	0.01	1		12/20/23 15:09	SM 2510 B		BEL0762
Electrical Conductivity umhos	**1210**	umhos/cm	10.0	1		12/20/23 15:09	SM 2510 B		BEL0762
Ammonia (as N)	*	mg/L	0.00	1		12/20/23 09:36	Field		BEL0765
Nitrate Nitrogen as NO3N	**44.5**	mg/L	0.1	1	10	12/20/23 20:30	EPA 300.0		BEL0768
Temperature	**25.0**	units	0.0	1		12/20/23 15:09	SM 4500-H+	H	BEL0762
pH	**7.4**	units	1.0	1		12/20/23 15:09	SM 4500-H+	H	BEL0762

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DELLAVALLE™
LABORATORY INC

Delta View Farms #3
4845 Avenue 304
Visalia, CA 93291

Account# 00-0021283
Account Manager: Ben Nydam
Submitted By: Darren
Ranch: 4995 Ave 304 Visalia

Received: 12/20/2023 8:10
Reported: 12/27/2023 08:40

Sample Results
(Continued)

Sample: Well #7
23L1150-03 (Water)

Sampled: 12/18/2023 0:00
Sampled By: Client/Cynthia Tiemersma

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.27**	mmhos/cm	0.01	1		12/20/23 15:26	SM 2510 B		BEL0772
Electrical Conductivity umhos	**273**	umhos/cm	10.0	1		12/20/23 15:26	SM 2510 B		BEL0772
Ammonia (as N)	*	mg/L	0.00	1		12/20/23 09:36	Field		BEL0765
Nitrate Nitrogen as NO3N	**6.9**	mg/L	0.1	1	10	12/20/23 20:51	EPA 300.0		BEL0768
Temperature	**25.0**	units	0.0	1		12/20/23 15:26	SM 4500-H+	H	BEL0772
pH	**9.1**	units	1.0	1		12/20/23 15:26	SM 4500-H+	H	BEL0772

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DELLAVALLE™
LABORATORY INC

Delta View Farms #3
4845 Avenue 304
Visalia, CA 93291

Account# 00-0021283
Account Manager: Ben Nydam
Submitted By: Darren
Ranch: 4995 Ave 304 Visalia

Received: 12/20/2023 8:10
Reported: 12/27/2023 08:40

Sample Results
(Continued)

Sample: Well #9
23L1150-04 (Water)

Sampled: 12/18/2023 0:00
Sampled By: Client/Cynthia Tiemersma

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.23**	mmhos/cm	0.01	1		12/20/23 15:28	SM 2510 B		BEL0772
Electrical Conductivity umhos	**228**	umhos/cm	10.0	1		12/20/23 15:28	SM 2510 B		BEL0772
Ammonia (as N)	*	mg/L	0.00	1		12/20/23 09:36	Field		BEL0765
Nitrate Nitrogen as NO3N	**3.6**	mg/L	0.1	1	10	12/20/23 21:12	EPA 300.0		BEL0768
Temperature	**25.0**	units	0.0	1		12/20/23 15:28	SM 4500-H+	H	BEL0772
pH	**9.5**	units	1.0	1		12/20/23 15:28	SM 4500-H+	H	BEL0772

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DELLAVALLE™
LABORATORY INC

Delta View Farms #3
4845 Avenue 304
Visalia, CA 93291

Account# 00-0021283
Account Manager: Ben Nydam
Submitted By: Darren
Ranch: 4995 Ave 304 Visalia

Received: 12/20/2023 8:10
Reported: 12/27/2023 08:40

Quality Control

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0762										
Blank (BEL0762-BLK1)					Prepared & Analyzed: 12/20/2023					
Temperature	25.0		0.0	units						
Electrical Conductivity	ND		0.01	mmhos/cm						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
pH	5.7		1.0	units						
Blank (BEL0762-BLK2)					Prepared & Analyzed: 12/20/2023					
Temperature	25.0		0.0	units						
Electrical Conductivity	ND		0.01	mmhos/cm						
pH	7.4		1.0	units						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Blank (BEL0762-BLK3)					Prepared & Analyzed: 12/20/2023					
Electrical Conductivity	ND		0.01	mmhos/cm						
Temperature	25.0		0.0	units						
pH	7.4		1.0	units						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Duplicate (BEL0762-DUP1)		**Source: 23L1122-10**			Prepared & Analyzed: 12/20/2023					
Electrical Conductivity	1.00		0.01	mmhos/cm		1.00			0.0701	10
Electrical Conductivity umhos	999		10.0	umhos/cm		998			0.0701	10
pH	7.3		1.0	units		7.3			0.137	10
Duplicate (BEL0762-DUP2)		**Source: 23L1150-02**			Prepared & Analyzed: 12/20/2023					
Electrical Conductivity	1.21		0.01	mmhos/cm		1.21			0.108	10
pH	7.4		1.0	units		7.4			0.00	10
Electrical Conductivity umhos	1210		10.0	umhos/cm		1210			0.108	10
Reference (BEL0762-SRM1)					Prepared & Analyzed: 12/20/2023					
Electrical Conductivity	431			umhos/cm	426.0		101	90-110		
Reference (BEL0762-SRM2)					Prepared & Analyzed: 12/20/2023					
Electrical Conductivity	ND		0.01	mmhos/cm				90-110		
Electrical Conductivity umhos	ND		10.0	umhos/cm				90-110		
Reference (BEL0762-SRM3)					Prepared & Analyzed: 12/20/2023					
Electrical Conductivity	1030			umhos/cm	1000		103	90-110		
Electrical Conductivity umhos	1030			umhos/cm	1000		103	90-110		
Reference (BEL0762-SRM4)					Prepared & Analyzed: 12/20/2023					
Electrical Conductivity	1050			umhos/cm	1000		105	90-110		
Electrical Conductivity umhos	1050			umhos/cm	1000		105	90-110		
Reference (BEL0762-SRM5)					Prepared & Analyzed: 12/20/2023					

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DELLAVALLE™
LABORATORY INC

Delta View Farms #3
4845 Avenue 304
Visalia, CA 93291

Account# 00-0021283
Account Manager: Ben Nydam
Submitted By: Darren
Ranch: 4995 Ave 304 Visalia

Received: 12/20/2023 8:10
Reported: 12/27/2023 08:40

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0762 (Continued)										
Reference (BEL0762-SRM5)					Prepared & Analyzed: 12/20/2023					
pH	5.8		1.0	units				97.5-102.5		
Reference (BEL0762-SRM6)					Prepared & Analyzed: 12/20/2023					
pH	4.0			units	4.000		100	97.5-102.5		
Reference (BEL0762-SRM7)					Prepared & Analyzed: 12/20/2023					
pH	4.0			units	4.000		100	97.5-102.5		
Reference (BEL0762-SRM8)					Prepared & Analyzed: 12/20/2023					
pH	4.0			units	4.000		100	67021-101.32		

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DELLAVALLE™
LABORATORY INC

Delta View Farms #3
4845 Avenue 304
Visalia, CA 93291

Account# 00-0021283
Account Manager: Ben Nydam
Submitted By: Darren
Ranch: 4995 Ave 304 Visalia

Received: 12/20/2023 8:10
Reported: 12/27/2023 08:40

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0768										
Blank (BEL0768-BLK1)					Prepared & Analyzed: 12/20/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Blank (BEL0768-BLK2)					Prepared & Analyzed: 12/20/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Blank (BEL0768-BLK3)					Prepared: 12/20/2023 Analyzed: 12/21/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
LCS (BEL0768-BS1)					Prepared: 12/20/2023 Analyzed: 12/21/2023					
Nitrate Nitrogen as NO3N	5.1		0.1	mg/L	5.000		102	90-110		
LCS (BEL0768-BS2)					Prepared: 12/20/2023 Analyzed: 12/21/2023					
Nitrate Nitrogen as NO3N	5.2		0.1	mg/L	5.000		103	90-110		
Duplicate (BEL0768-DUP1)		**Source: 23L1150-03**			Prepared: 12/20/2023 Analyzed: 12/21/2023					
Nitrate Nitrogen as NO3N	7.0		0.1	mg/L		6.9			0.925	10
Duplicate (BEL0768-DUP2)		**Source: 23L1204-01**			Prepared: 12/20/2023 Analyzed: 12/21/2023					
Nitrate Nitrogen as NO3N	2.2		0.1	mg/L		2.2			0.454	10
Matrix Spike (BEL0768-MS1)		**Source: 23L1150-03**			Prepared: 12/20/2023 Analyzed: 12/21/2023					
Nitrate Nitrogen as NO3N	12.0		0.1	mg/L	5.000	6.9	102	90-110		
Matrix Spike (BEL0768-MS2)		**Source: 23L1204-01**			Prepared: 12/20/2023 Analyzed: 12/21/2023					
Nitrate Nitrogen as NO3N	7.5		0.1	mg/L	5.000	2.2	106	90-110		
Reference (BEL0768-SRM1)					Prepared & Analyzed: 12/20/2023					
Nitrate Nitrogen as NO3N	10.3			mg/L	10.00		103	90-110		
Reference (BEL0768-SRM2)					Prepared: 12/20/2023 Analyzed: 12/21/2023					
Nitrate Nitrogen as NO3N	10.3			mg/L	10.00		103	90-110		
Reference (BEL0768-SRM3)					Prepared: 12/20/2023 Analyzed: 12/21/2023					
Nitrate Nitrogen as NO3N	10.3			mg/L	10.00		103	90-110		

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DELLAVALLE™
LABORATORY INC

Delta View Farms #3
4845 Avenue 304
Visalia, CA 93291

Account# 00-0021283
Account Manager: Ben Nydam
Submitted By: Darren
Ranch: 4995 Ave 304 Visalia

Received: 12/20/2023 8:10
Reported: 12/27/2023 08:40

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0772										
Blank (BEL0772-BLK1)					Prepared & Analyzed: 12/20/2023					
Electrical Conductivity	ND		0.01	mmhos/cm						
Temperature	25.0		0.0	units						
pH	5.4		1.0	units						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Blank (BEL0772-BLK2)					Prepared & Analyzed: 12/20/2023					
Electrical Conductivity	ND		0.01	mmhos/cm						
Temperature	25.0		0.0	units						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
pH	6.4		1.0	units						
Blank (BEL0772-BLK3)					Prepared & Analyzed: 12/20/2023					
Temperature	25.0		0.0	units						
Electrical Conductivity	ND		0.01	mmhos/cm						
pH	6.0		1.0	units						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Duplicate (BEL0772-DUP1)		**Source: 23L1168-01**			Prepared & Analyzed: 12/20/2023					
Electrical Conductivity	0.12		0.01	mmhos/cm		0.12			0.251	10
pH	6.8		1.0	units		6.9			0.877	10
Electrical Conductivity umhos	120		10.0	umhos/cm		120			0.251	10
Duplicate (BEL0772-DUP2)		**Source: 23L1171-01**			Prepared & Analyzed: 12/20/2023					
Electrical Conductivity	0.04		0.01	mmhos/cm		0.04			1.91	10
Electrical Conductivity umhos	36.3		10.0	umhos/cm		37.0			1.91	10
pH	6.3		1.0	units		6.2			2.40	10
Reference (BEL0772-SRM1)					Prepared & Analyzed: 12/20/2023					
Electrical Conductivity	442			umhos/cm	426.0		104	90-110		
Reference (BEL0772-SRM2)					Prepared & Analyzed: 12/20/2023					
pH	7.5			units	7.520		99.9	67021-101.32		
Reference (BEL0772-SRM3)					Prepared & Analyzed: 12/20/2023					
Electrical Conductivity	1050			umhos/cm	1000		105	90-110		
Electrical Conductivity umhos	1050			umhos/cm	1000		105	90-110		
Reference (BEL0772-SRM4)					Prepared & Analyzed: 12/20/2023					
Electrical Conductivity	1050			umhos/cm	1000		105	90-110		
Electrical Conductivity umhos	1050			umhos/cm	1000		105	90-110		
Reference (BEL0772-SRM5)					Prepared & Analyzed: 12/20/2023					
Electrical Conductivity	1050			umhos/cm	1000		105	90-110		

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LABORATORY INC

Delta View Farms #3
4845 Avenue 304
Visalia, CA 93291

Account# 00-0021283
Account Manager: Ben Nydam
Submitted By: Darren
Ranch: 4995 Ave 304 Visalia

Received: 12/20/2023 8:10
Reported: 12/27/2023 08:40

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0772 (Continued)										
Reference (BEL0772-SRM5)					Prepared & Analyzed: 12/20/2023					
Electrical Conductivity umhos	1050			umhos/cm	1000		105	90-110		
Reference (BEL0772-SRM6)					Prepared & Analyzed: 12/20/2023					
pH	4.0			units	4.000		100	97.5-102.5		
Reference (BEL0772-SRM7)					Prepared & Analyzed: 12/20/2023					
pH	4.0			units	4.000		100	97.5-102.5		
Reference (BEL0772-SRM8)					Prepared & Analyzed: 12/20/2023					
pH	4.0			units	4.000		100	97.5-102.5		

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12/20/23 08:10 23L1150

JG

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

WATER WORK REQUEST

Bill To: Acct No. 21283 Cons. 08

Purchase Order No. _____ Results Needed By _____

Client: **Delta View Farms #3**
Address: 4845 Ave. 304
City, State, Zip: Visalia, CA 93291
Email: deltaviewfarms@aol.com

Copy to: solaconsultinginc@gmail.com

Requested by/Cell: Darren 469-6705

Facility: 4995 Ave 304 Visalia

Date sampled: picked up 12/19/23

Sampled by: Client / Cynthia Tiemersma

☑ QA/QC Document ☑ Copy of Chain ☐ RWQCB

No. of Samples 4 No. Bottles 4

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

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

☑ 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.	DW Rd 44	Sampled From:	12/18/23			-1.5
2.	Well #3	Sampled From:				-0.7
3.	Well #7	Sampled From:				-1.4
4.	Well #9	Sampled From:				-0.1
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

CHAIN OF CUSTODY

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First	CH	DLL	12/19/23 1:50	12/19/23 2:44
Second				
Third				
Fourth	JG	DLL	12/20/23 8:10	

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:
Price List 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

Paste La

12/20/23 08:10 23L1150

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

☐ 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	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:										

DRAFT
SEND OUT

DELLAVALLE™
LABORATORY INC

Delta View Farms #3
4845 Avenue 304
Visalia, CA 93291

Account# 00-0021283
Account Manager: Ben Nydam
Submitted By: Darren
Ranch: 4995 Ave 304 Visalia

Received: 12/20/2023 8:10
Reported: 12/27/2023 13:39

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23L1151-01	DE	Ground Water	Client / Cynthia Tiemersma		12/17/2023 0:00
23L1151-02	Well #1S	Ground Water	Client / Cynthia Tiemersma		12/18/2023 0:00

Default Cooler Temperature on Receipt °C: -1.4

Containers Intact
COC/Labels Agree
Received On Ice
Time Sampled Not Provided

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

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4845 Avenue 304
Visalia, CA 93291

Account# 00-0021283
Account Manager: Ben Nydam
Submitted By: Darren
Ranch: 4995 Ave 304 Visalia

Received: 12/20/2023 8:10
Reported: 12/27/2023 13:39

Sample Results

Sample: DE
23L1151-01 (Water)

Sampled: 12/17/2023 0:00
Sampled By: Client / Cynthia Tiemersma

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO3	**147**	mg/L	10.0	1		12/21/23 11:14	SM 2320 B		BEL0773
Calcium	**123**	mg/L	0.1	1		12/27/23 09:54	EPA 200.7		BEL0812
Chloride	**70.6**	mg/L	0.2	1	250	12/20/23 15:31	EPA 300.0		BEL0730
Carbonate as CaCO3	ND	mg/L	1	1		12/21/23 11:14	SM 2320 B		BEL0773
Electrical Conductivity	**1.01**	mmhos/cm	0.01	1		12/21/23 11:14	SM 2510 B		BEL0773
Electrical Conductivity umhos	**1010**	umhos/cm	10.0	1		12/21/23 11:14	SM 2510 B		BEL0773
Bicarbonate as CaCO3	**147**	mg/L	5.00	1		12/21/23 11:14	SM 2320 B		BEL0773
Potassium	ND	mg/L	0.500	1		12/27/23 09:54	EPA 200.7		BEL0812
Magnesium	**3.2**	mg/L	0.1	1		12/27/23 09:54	EPA 200.7		BEL0812
Sodium	**99**	mg/L	1	1		12/27/23 09:54	EPA 200.7		BEL0812
Ammonia (as N)	*	mg/L	0.00	1		12/20/23 09:36	Field		BEL0765
Nitrate Nitrogen as NO3N	**42.4**	mg/L	0.1	1	10	12/20/23 15:31	EPA 300.0		BEL0730
Hydroxide as CaCO3	ND	mg/L	1.00	1		12/21/23 11:14	SM 2320 B		BEL0773
pH	**7.3**	units	1.0	1		12/21/23 11:14	SM 4500-H+	H	BEL0773
Temperature	**25.0**	units	0.0	1		12/21/23 11:14	SM 4500-H+	H	BEL0773
Sulfate (SO4)	**82.1**	mg/L	0.5	1	250	12/20/23 15:31	EPA 300.0		BEL0730
Total Filterable Solids (TDS)	**710**	mg/L	10.0	1		12/21/23 14:16	SM 2540 C		BEL0764

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DELLAVALLE™
LABORATORY INC

Delta View Farms #3
4845 Avenue 304
Visalia, CA 93291

Account# 00-0021283
Account Manager: Ben Nydam
Submitted By: Darren
Ranch: 4995 Ave 304 Visalia

Received: 12/20/2023 8:10
Reported: 12/27/2023 13:39

Sample Results
(Continued)

Sample: Well #1S
23L1151-02 (Water)

Sampled: 12/18/2023 0:00
Sampled By: Client / Cynthia Tiemersma

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO3	**55.3**	mg/L	10.0	1		12/21/23 11:19	SM 2320 B		BEL0773
Calcium	**3.4**	mg/L	0.1	1		12/27/23 09:55	EPA 200.7		BEL0812
Chloride	**14.2**	mg/L	0.2	1	250	12/20/23 15:57	EPA 300.0		BEL0730
Carbonate as CaCO3	**24**	mg/L	1	1		12/21/23 11:19	SM 2320 B		BEL0773
Electrical Conductivity	**0.23**	mmhos/cm	0.01	1		12/21/23 11:19	SM 2510 B		BEL0773
Electrical Conductivity umhos	**232**	umhos/cm	10.0	1		12/21/23 11:19	SM 2510 B		BEL0773
Bicarbonate as CaCO3	**31.4**	mg/L	5.00	1		12/21/23 11:19	SM 2320 B		BEL0773
Potassium	ND	mg/L	0.500	1		12/27/23 09:55	EPA 200.7		BEL0812
Magnesium	ND	mg/L	0.1	1		12/27/23 09:55	EPA 200.7		BEL0812
Sodium	**44**	mg/L	1	1		12/27/23 09:55	EPA 200.7		BEL0812
Ammonia (as N)	*	mg/L	0.00	1		12/20/23 09:36	Field		BEL0765
Nitrate Nitrogen as NO3N	**3.9**	mg/L	0.1	1	10	12/20/23 15:57	EPA 300.0		BEL0730
Hydroxide as CaCO3	ND	mg/L	1.00	1		12/21/23 11:19	SM 2320 B		BEL0773
pH	**9.5**	units	1.0	1		12/21/23 11:19	SM 4500-H+	H	BEL0773
Temperature	**25.0**	units	0.0	1		12/21/23 11:19	SM 4500-H+	H	BEL0773
Sulfate (SO4)	**12.9**	mg/L	0.5	1	250	12/20/23 15:57	EPA 300.0		BEL0730
Total Filterable Solids (TDS)	**138**	mg/L	10.0	1		12/21/23 14:16	SM 2540 C		BEL0764

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Delta View Farms #3
4845 Avenue 304
Visalia, CA 93291

Account# 00-0021283
Account Manager: Ben Nydam
Submitted By: Darren
Ranch: 4995 Ave 304 Visalia

Received: 12/20/2023 8:10
Reported: 12/27/2023 13:39

Quality Control

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0730										
Blank (BEL0730-BLK1)					Prepared & Analyzed: 12/20/2023					
Chloride	ND		0.2	mg/L						
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Sulfate (SO4)	ND		0.5	mg/L						
Blank (BEL0730-BLK2)					Prepared & Analyzed: 12/20/2023					
Chloride	ND		0.2	mg/L						
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Sulfate (SO4)	ND		0.5	mg/L						
Blank (BEL0730-BLK3)					Prepared & Analyzed: 12/21/2023					
Chloride	ND		0.2	mg/L						
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Sulfate (SO4)	ND		0.5	mg/L						
Blank (BEL0730-BLK4)					Prepared & Analyzed: 12/21/2023					
Chloride	ND		0.2	mg/L						
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Sulfate (SO4)	ND		0.5	mg/L						
LCS (BEL0730-BS1)					Prepared & Analyzed: 12/20/2023					
Chloride	5.0		0.2	mg/L	5.000		100	90-110		
Nitrate Nitrogen as NO3N	5.2		0.1	mg/L	5.000		103	90-110		
Sulfate (SO4)	4.7		0.5	mg/L	5.000		94.8	90-110		
LCS (BEL0730-BS2)					Prepared & Analyzed: 12/21/2023					
Chloride	5.0		0.2	mg/L	5.000		99.9	90-110		
Nitrate Nitrogen as NO3N	5.2		0.1	mg/L	5.000		103	90-110		
Sulfate (SO4)	4.7		0.5	mg/L	5.000		95.0	90-110		
LCS (BEL0730-BS3)					Prepared & Analyzed: 12/21/2023					
Chloride	5.0		0.2	mg/L	5.000		101	90-110		
Nitrate Nitrogen as NO3N	5.2		0.1	mg/L	5.000		104	90-110		
Sulfate (SO4)	4.8		0.5	mg/L	5.000		95.4	90-110		
Duplicate (BEL0730-DUP1)		**Source: 23L1151-02**			Prepared & Analyzed: 12/20/2023					
Chloride	14.2		0.2	mg/L		14.2			0.240	10
Nitrate Nitrogen as NO3N	3.9		0.1	mg/L		3.9			0.413	10
Sulfate (SO4)	12.9		0.5	mg/L		12.9			0.441	10
Duplicate (BEL0730-DUP2)		**Source: 23L1169-01**			Prepared & Analyzed: 12/21/2023					
Chloride	0.4		0.2	mg/L		0.4			0.00	10
Nitrate Nitrogen as NO3N	0.05		0.1	mg/L		0.05			0.00	10
Sulfate (SO4)	0.2		0.5	mg/L		0.2				10

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DELLAVALLE™ LABORATORY INC

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Account Manager: Ben Nydam
Submitted By: Darren
Ranch: 4995 Ave 304 Visalia

Received: 12/20/2023 8:10
Reported: 12/27/2023 13:39

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0730 (Continued)										
Duplicate (BEL0730-DUP3)			**Source: 23L1205-02**		Prepared & Analyzed: 12/21/2023					
Chloride	13.5		0.2	mg/L		13.6			0.773	10
Nitrate Nitrogen as NO3N	1.2		0.1	mg/L		1.3			0.958	10
Sulfate (SO4)	3.3		0.5	mg/L		3.3			0.367	10
Matrix Spike (BEL0730-MS1)			**Source: 23L1151-02**		Prepared & Analyzed: 12/20/2023					
Chloride	19.3		0.2	mg/L	5.000	14.2	102	90-110		
Nitrate Nitrogen as NO3N	9.2		0.1	mg/L	5.000	3.9	107	90-110		
Sulfate (SO4)	18.3		0.5	mg/L	5.000	12.9	107	90-110		
Matrix Spike (BEL0730-MS2)			**Source: 23L1169-01**		Prepared & Analyzed: 12/21/2023					
Chloride	5.6		0.2	mg/L	5.000	0.4	104	90-110		
Nitrate Nitrogen as NO3N	5.3		0.1	mg/L	5.000	0.05	104	90-110		
Sulfate (SO4)	5.0		0.5	mg/L	5.000	0.2	100	90-110		
Matrix Spike (BEL0730-MS3)			**Source: 23L1205-02**		Prepared & Analyzed: 12/21/2023					
Chloride	18.6		0.2	mg/L	5.000	13.6	99.1	90-110		
Nitrate Nitrogen as NO3N	6.6		0.1	mg/L	5.000	1.3	106	90-110		
Sulfate (SO4)	8.5		0.5	mg/L	5.000	3.3	105	90-110		
Reference (BEL0730-SRM1)					Prepared & Analyzed: 12/20/2023					
Chloride	13.3			mg/L	12.50		106	90-110		
Nitrate Nitrogen as NO3N	10.5			mg/L	10.00		105	90-110		
Sulfate (SO4)	10.4			mg/L	10.00		104	90-110		
Reference (BEL0730-SRM2)					Prepared & Analyzed: 12/20/2023					
Chloride	13.2			mg/L	12.50		106	90-110		
Nitrate Nitrogen as NO3N	10.5			mg/L	10.00		105	90-110		
Sulfate (SO4)	10.3			mg/L	10.00		103	90-110		
Reference (BEL0730-SRM3)					Prepared & Analyzed: 12/21/2023					
Chloride	13.2			mg/L	12.50		106	90-110		
Nitrate Nitrogen as NO3N	10.5			mg/L	10.00		105	90-110		
Sulfate (SO4)	10.3			mg/L	10.00		103	90-110		
Reference (BEL0730-SRM4)					Prepared & Analyzed: 12/21/2023					
Chloride	13.2			mg/L	12.50		106	90-110		
Nitrate Nitrogen as NO3N	10.5			mg/L	10.00		105	90-110		
Sulfate (SO4)	10.4			mg/L	10.00		104	90-110		

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DELLAVALLE™
LABORATORY INC

Delta View Farms #3
4845 Avenue 304
Visalia, CA 93291

Account# 00-0021283
Account Manager: Ben Nydam
Submitted By: Darren
Ranch: 4995 Ave 304 Visalia

Received: 12/20/2023 8:10
Reported: 12/27/2023 13:39

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0764										
Blank (BEL0764-BLK1)					Prepared: 12/20/2023 Analyzed: 12/21/2023					
Total Filterable Solids (TDS)	ND		10.0	mg/L						
LCS (BEL0764-BS1)					Prepared: 12/20/2023 Analyzed: 12/21/2023					
Total Filterable Solids (TDS)	28.8		10.0	mg/L	2000		1.44	0-200		
Duplicate (BEL0764-DUP1)			**Source: 23L1151-01**		Prepared: 12/20/2023 Analyzed: 12/21/2023					
Total Filterable Solids (TDS)	730		10.0	mg/L		710			2.78	10
Duplicate (BEL0764-DUP2)			**Source: 23L1153-10**		Prepared: 12/20/2023 Analyzed: 12/21/2023					
Total Filterable Solids (TDS)	680		10.0	mg/L		690			1.46	10
Reference (BEL0764-SRM1)					Prepared: 12/20/2023 Analyzed: 12/21/2023					
Total Filterable Solids (TDS)	390			mg/L	390.0		100	90-110		

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Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0773										
Blank (BEL0773-BLK1)					Prepared: 12/20/2023 Analyzed: 12/21/2023					
Electrical Conductivity	ND		0.01	mmhos/cm						
Carbonate as CaCO3	ND		1	mg/L						
Alkalinity as CaCO3	ND		10.0	mg/L						
pH	5.0		1.0	units						
Hydroxide as CaCO3	ND		1.00	mg/L						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Bicarbonate as CaCO3	ND		5.00	mg/L						
Temperature	25.0		0.0	units						
Blank (BEL0773-BLK2)					Prepared: 12/20/2023 Analyzed: 12/21/2023					
Alkalinity as CaCO3	ND		10.0	mg/L						
Carbonate as CaCO3	ND		1	mg/L						
Hydroxide as CaCO3	ND		1.00	mg/L						
Electrical Conductivity	ND		0.01	mmhos/cm						
pH	5.4		1.0	units						
Temperature	25.0		0.0	units						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Bicarbonate as CaCO3	ND		5.00	mg/L						
Blank (BEL0773-BLK3)					Prepared: 12/20/2023 Analyzed: 12/21/2023					
pH	5.4		1.0	units						
Alkalinity as CaCO3	ND		10.0	mg/L						
Hydroxide as CaCO3	ND		1.00	mg/L						
Carbonate as CaCO3	ND		1	mg/L						
Electrical Conductivity	ND		0.01	mmhos/cm						
Temperature	25.0		0.0	units						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Bicarbonate as CaCO3	ND		5.00	mg/L						
Duplicate (BEL0773-DUP1)		**Source: 23L1153-08**			Prepared: 12/20/2023 Analyzed: 12/21/2023					
Hydroxide as CaCO3	ND		1.00	mg/L		ND				10
Carbonate as CaCO3	ND		1	mg/L		ND				10
Alkalinity as CaCO3	318		10.0	mg/L		319			0.226	10
pH	7.4		1.0	units		7.4			0.674	10
Electrical Conductivity	1.18		0.01	mmhos/cm		1.18			0.127	10
Electrical Conductivity umhos	1180		10.0	umhos/cm		1180			0.127	10
Duplicate (BEL0773-DUP2)		**Source: 23L1185-01**			Prepared: 12/20/2023 Analyzed: 12/21/2023					
pH	7.1		1.0	units		7.0			0.568	10
Alkalinity as CaCO3	152		10.0	mg/L		152			0.0790	10
Electrical Conductivity	0.38		0.01	mmhos/cm		0.39			1.15	10
Hydroxide as CaCO3	ND		1.00	mg/L		ND				10
Carbonate as CaCO3	ND		1	mg/L		ND				10

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Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0773 (Continued)										
Duplicate (BEL0773-DUP2)			**Source: 23L1185-01**		Prepared: 12/20/2023	Analyzed: 12/21/2023				
Electrical Conductivity umhos	382		10.0	umhos/cm		386			1.15	10
Reference (BEL0773-SRM1)					Prepared: 12/20/2023	Analyzed: 12/21/2023				
Electrical Conductivity	456			umhos/cm	426.0		107	90-110		
Alkalinity as CaCO3	124			mg/L	128.0		97.1	90-110		
Reference (BEL0773-SRM2)					Prepared: 12/20/2023	Analyzed: 12/21/2023				
Electrical Conductivity	457			umhos/cm	426.0		107	90-110		
Alkalinity as CaCO3	127			mg/L	128.0		99.6	90-110		
Reference (BEL0773-SRM3)					Prepared: 12/20/2023	Analyzed: 12/21/2023				
Electrical Conductivity	449			umhos/cm	426.0		105	90-110		
Alkalinity as CaCO3	127			mg/L	128.0		99.0	90-110		
Reference (BEL0773-SRM4)					Prepared: 12/20/2023	Analyzed: 12/21/2023				
pH	4.0			units	4.000		100	97.5-102.5		
Reference (BEL0773-SRM5)					Prepared: 12/20/2023	Analyzed: 12/21/2023				
pH	4.0			units	4.000		100	97.5-102.5		
Reference (BEL0773-SRM6)					Prepared: 12/20/2023	Analyzed: 12/21/2023				
pH	4.0			units	4.000		99.8	97.5-102.5		
Reference (BEL0773-SRM7)					Prepared: 12/20/2023	Analyzed: 12/21/2023				
pH	7.5			units	7.520		99.7	67021-101.32		

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Ranch: 4995 Ave 304 Visalia

Received: 12/20/2023 8:10
Reported: 12/27/2023 13:39

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0812										
Blank (BEL0812-BLK1)					Prepared: 12/26/2023 Analyzed: 12/27/2023					
Calcium	ND		0.1	mg/L						
Potassium	ND		0.500	mg/L						
Sodium	ND		1	mg/L						
Magnesium	ND		0.1	mg/L						
Blank (BEL0812-BLK2)					Prepared: 12/26/2023 Analyzed: 12/27/2023					
Potassium	ND		0.500	mg/L						
Calcium	ND		0.1	mg/L						
Sodium	ND		1	mg/L						
Magnesium	ND		0.1	mg/L						
LCS (BEL0812-BS1)					Prepared: 12/26/2023 Analyzed: 12/27/2023					
Potassium	35.4		0.500	mg/L	35.71		99.2	90-110		
Sodium	35		1	mg/L	35.71		99.4	90-110		
Calcium	35.9		0.1	mg/L	35.71		100	90-110		
Magnesium	35.7		0.1	mg/L	35.71		99.9	90-110		
LCS (BEL0812-BS2)					Prepared: 12/26/2023 Analyzed: 12/27/2023					
Potassium	36.5		0.500	mg/L	35.71		102	90-110		
Calcium	37.9		0.1	mg/L	35.71		106	90-110		
Sodium	39		1	mg/L	35.71		109	90-110		
Magnesium	38.4		0.1	mg/L	35.71		108	90-110		
Duplicate (BEL0812-DUP1)		**Source: 23L1246-01**			Prepared: 12/26/2023 Analyzed: 12/27/2023					
Sodium	186		1	mg/L		177			4.90	15
Potassium	1.51		0.500	mg/L		1.38			8.87	15
Calcium	64.6		0.1	mg/L		61.3			5.22	15
Magnesium	27.9		0.1	mg/L		26.5			5.14	15
Matrix Spike (BEL0812-MS1)		**Source: 23L1246-01**			Prepared: 12/26/2023 Analyzed: 12/27/2023					
Calcium	107		0.1	mg/L	35.71	61.3	128	90-110		
Sodium	222		1	mg/L	35.71	177	126	90-110		
Potassium	41.9		0.500	mg/L	35.71	1.38	113	90-110		
Magnesium	67.8		0.1	mg/L	35.71	26.5	116	90-110		
Matrix Spike (BEL0812-MS2)		**Source: 23L1251-04**			Prepared: 12/26/2023 Analyzed: 12/27/2023					
Potassium	43.1		0.500	mg/L	35.71	4.06	109	90-110		
Calcium	153		0.1	mg/L	35.71	110	120	90-110		
Sodium	98		1	mg/L	35.71	58	114	90-110		
Magnesium	76.6		0.1	mg/L	35.71	36.2	113	90-110		
Reference (BEL0812-SRM2)					Prepared: 12/26/2023 Analyzed: 12/27/2023					
Potassium	21.6			mg/L	21.90		98.6	90-110		

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Visalia, CA 93291

Account# 00-0021283
Account Manager: Ben Nydam
Submitted By: Darren
Ranch: 4995 Ave 304 Visalia

Received: 12/20/2023 8:10
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Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0812 (Continued)										
Reference (BEL0812-SRM2)					Prepared: 12/26/2023	Analyzed: 12/27/2023				
Sodium	94			mg/L	91.50		103	90-110		
Reference (BEL0812-SRM3)					Prepared: 12/26/2023	Analyzed: 12/27/2023				
Calcium	47.2			mg/L	45.90		103	90-110		
Magnesium	36.8			mg/L	35.60		103	90-110		

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12/20/23 08:10 23L1151

JG

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

WATER WORK REQUEST

Bill To: Acct No. 21283 Cons. 08

Purchase Order No. _____ Results Needed By _____

Client: **Delta View Farms #3**
Address: 4845 Ave. 304
City, State, Zip: Visalia, CA 93291
Email: deltaviewfarms@aol.com

Copy to: solaconsultinginc@gmail.com

Requested by/Cell: Darren 469-6705

Facility: 4995 Ave 304 Visalia

Date sampled: picked up 12/19/23

Sampled by: Client / Cynthia Tiemersma

☑ QA/QC Document ☑ Copy of Chain ☐ RWQCB

No. of Samples 2 No. Bottles 2

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

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

☐ 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.	DE	Sampled From:	12/7/23			-1.4
2.	Well #1S	Sampled From:	12/8/23			-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

CHAIN OF CUSTODY

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First	CH	DLL	12/19/23 1:50	12/19/23 2:44
Second				
Third				
Fourth	NZ	DLL	12/20/23 8:10	

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:
Price List 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

Paste L

12/20/23 08:10 23L1151

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

☐ 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:										

SEND OUT