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: Antonio Garcia Dairy

Physical address of dairy:

6571 Fargo AVE	Hanford	Kings	93230
Number and Street	City	County	Zip Code

Street and nearest cross street (if no address):

Date facility was originally placed in operation: 02/01/1993

Regional Water Quality Control Board Basin Plan designation: Tulare Basin

County Assessor Parcel Number(s) for dairy facility:

X014-X130-X061-XXXX

B. OPERATORS

Sergio, Rocha

Operator name: Sergio, Rocha Telephone no.: (559) 474-3853

Landline Cellular

16283 18th AVE	Lemoore	CA	93245
Mailing Address Number and Street	City	State	Zip Code

C. OWNERS

Garcia, Antonio

Legal owner name: Garcia, Antonio Telephone no.: (559) 584-9569

Landline Cellular

6571 Fargo AVE	Hanford	CA	93230
Mailing Address Number and Street	City	State	Zip Code

This owner is responsible for paying permit fees.

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

AVAILABLE NUTRIENTS

A. HERD INFORMATION

	Milk Cows	Dry Cows	Bred Heifers (15-24 mo.)	Heifers (7-14 mo. to breeding)	Calves (4-6 mo.)	Calves (0-3 mo.)
Number open confinement	0	0	10	25	0	0
Number under roof	505	40	0	0	0	0
Maximum number	510	45	15	30	0	0
Average number	505	40	10	25	0	0
Avg live weight (lbs)	1,400	1,400	900	650		

Predominant milk cow breed: Holstein

Average milk production: 70 *pounds per cow per day*

B. MANURE GENERATED

Total manure excreted by the herd: 13,864.24 *tons per reporting period*

Total nitrogen from manure: 179,988.45 *lbs per reporting period* After ammonia losses (30% loss applied): 125,991.92 *lbs per reporting period*

Total phosphorus from manure: 30,198.51 *lbs per reporting period*

Total potassium from manure: 96,712.16 *lbs per reporting period*

Total salt from manure: 246,977.25 *lbs per reporting period*

C. PROCESS WASTEWATER GENERATED

Process wastewater generated: 16,824,000 *gallons*

Total nitrogen generated: 52,385.68 *lbs*

Total phosphorus generated: 10,801.48 *lbs*

Total potassium generated: 65,482.95 *lbs*

Total salt generated: 407,419.59 *lbs*

	16,824,000	*gallons applied*
+	0	*gallons exported*
-	0	*gallons imported*
=	16,824,000	*gallons generated*

D. FRESH WATER SOURCES

Source Description	Type
Canal	Surface water
IW Cardoza	Ground water
IW Coelho Ranch	Ground water
IW Fargo Home	Ground water
IW Grangeville North	Ground water

E. SUBSURFACE (TILE) DRAINAGE SOURCES

No subsurface (tile) drainage sources entered.

F. NUTRIENT IMPORTS

No dry manure nutrient imports entered.

No process wastewater nutrient imports entered.

No commercial or other nutrient imports entered.

G. NUTRIENT EXPORTS

No solid nutrient exports entered.

No liquid nutrient exports entered.

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

APPLICATION AREA

A. LIST OF LAND APPLICATION AREAS

Field name	Controlled acres	Cropable acres	Total harvests	Type of waste applied	Parcel number
Cardoza	40	40	2	process wastewater	X014-X090-X043-XXXX
Coelho Ranch	64	64	2	process wastewater	X014-X130-X055-XXXX
Grangeville Ranch	158	158	2	manure	X014-X110-X045-XXXX X014-X110-X054-XXXX
Home Place	25	25	2	process wastewater	X014-X130-X061-XXXX
Totals for areas that were used for application	287	287	8		
Totals for areas that were not used for application					
Land application area totals	287	287	8		

B. CROPS AND HARVESTS

Cardoza

Field name: Cardoza

10/26/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 40 Plant date: 10/26/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
04/26/2023	627.90 *ton*	As-is		66.6	6,900.00	1,200.00	6,800.00		10.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	14.00	205.80	32.20	116.20	0.00
Total actual harvest content	15.70	216.63	37.67	213.49	1,048.59

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

Cardoza

05/21/2023: Corn, silage

Crop: Corn, silage Acres planted: 40 Plant date: 05/21/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/01/2023	555.25 *ton*	As-is		66.5	5,200.00	900.00	4,700.00		6.70

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	20.00	234.00	40.00	132.00	0.00
Total actual harvest content	13.88	144.37	24.99	130.48	623.13

Coelho Ranch

Field name: Coelho Ranch

10/22/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 64 Plant date: 10/22/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/01/2023	989.99 *ton*	As-is		69.9	6,400.00	1,300.00	8,900.00		11.80

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	14.00	205.80	32.20	116.20	0.00
Total actual harvest content	15.47	198.00	40.22	275.34	1,098.83

05/28/2023: Corn, silage

Crop: Corn, silage Acres planted: 64 Plant date: 05/28/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/01/2023	941.21 *ton*	As-is		63.4	5,700.00	1,200.00	7,300.00		16.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	20.00	234.00	40.00	132.00	0.00
Total actual harvest content	14.71	167.65	35.30	214.71	1,722.41

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

Grangeville Ranch

Field name: Grangeville Ranch

11/01/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 130 Plant date: 11/01/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
06/01/2023	0.01 *ton*	As-is		0.1	0.00	0.00	0.00		0.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	10.00	149.00	21.00	83.00	0.00
Total actual harvest content	0.00	0.00	0.00	0.00	0.00

06/25/2023: Corn, silage

Crop: Corn, silage Acres planted: 130 Plant date: 06/25/2023

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	1,570.73 *ton*	As-is		64.8	4,100.00	1,100.00	3,500.00		6.50

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	12.00	111.60	30.00	79.20	0.00
Total actual harvest content	12.08	99.08	26.58	84.58	552.90

Home Place

Field name: Home Place

10/20/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 25 Plant date: 10/20/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/01/2023	386.71 *ton*	As-is		67.9	6,500.00	1,300.00	8,900.00		9.50

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	14.00	205.80	32.20	116.20	0.00
Total actual harvest content	15.47	201.09	40.22	275.34	943.42

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

Home Place

05/25/2023: Corn, silage

Crop: Corn, silage Acres planted: 25 Plant date: 05/25/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/01/2023	329.76 *ton*	As-is		69.3	5,000.00	900.00	5,200.00		3.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	20.00	234.00	40.00	132.00	0.00
Total actual harvest content	13.19	131.90	23.74	137.18	242.97

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

NUTRIENT BUDGET

A. LAND APPLICATIONS

Cardoza - 10/26/2022: Wheat, silage, soft dough

Field name: Cardoza

Crop: Wheat, silage, soft dough Plant date: 10/26/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
11/14/2022	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
IW Cardoza	Ground water	23.17	0.00	0.00	364.26	2,328,000.00 *gal*
IW Coelho Ranch	Ground water	0.91	0.00	0.00	152.99	4,365,000.00 *gal*
Application event totals		24.08	0.00	0.00	517.25	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
12/30/2022	Surface (irrigation)	Light rain	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	103.23	31.13	173.71	997.39	1,992,000.00 *gal*
Application event totals		103.23	31.13	173.71	997.39	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
02/08/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	131.81	29.65	161.10	934.06	1,560,000.00 *gal*
IW Coelho Ranch	Ground water	1.37	0.00	0.00	230.27	6,570,000.00 *gal*
Application event totals		133.18	29.65	161.10	1,164.33	

Cardoza - 05/21/2023: Corn, silage

Field name: Cardoza

Crop: Corn, silage Plant date: 05/21/2023

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

Cardoza - 05/21/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/24/2023	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
IW Cardoza	Ground water	21.02	0.00	0.00	330.46	2,112,000.00 *gal*
IW Coelho Ranch	Ground water	0.83	0.00	0.00	138.79	3,960,000.00 *gal*
Application event totals		21.84	0.00	0.00	469.26	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/15/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	76.63	13.32	99.97	669.24	984,000.00 *gal*
IW Coelho Ranch	Ground water	1.55	0.00	0.00	260.24	7,425,000.00 *gal*
Application event totals		78.18	13.32	99.97	929.47	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/02/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
IW Coelho Ranch	Ground water	1.62	0.00	0.00	272.86	7,785,000.00 *gal*
Application event totals		1.62	0.00	0.00	272.86	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/21/2023	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
Wastewater	Process wastewater	73.16	10.39	74.83	539.75	840,000.00 *gal*
IW Cardoza	Ground water	16.96	0.00	0.00	266.62	1,704,000.00 *gal*
IW Coelho Ranch	Ground water	0.67	0.00	0.00	111.98	3,195,000.00 *gal*
Application event totals		90.79	10.39	74.83	918.36	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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
IW Coelho Ranch	Ground water	1.46	0.00	0.00	244.47	6,975,000.00 *gal*
Application event totals		1.46	0.00	0.00	244.47	

Coelho Ranch - 10/22/2022: Wheat, silage, soft dough

Coelho Ranch - 10/22/2022: Wheat, silage, soft dough

Field name: Coelho Ranch

Crop: Wheat, silage, soft dough — Plant date: 10/22/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
11/19/2022	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
IW Coelho Ranch	Ground water	1.23	0.00	0.00	207.01	9,450,000.00 *gal*
Application event totals		1.23	0.00	0.00	207.01	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
01/12/2023	Surface (irrigation)	No precipitation	Light rain	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	135.61	30.50	165.75	961.00	2,568,000.00 *gal*
Application event totals		135.61	30.50	165.75	961.00	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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
IW Coelho Ranch	Ground water	1.31	0.00	0.00	220.81	10,080,000.00 *gal*
Application event totals		1.31	0.00	0.00	220.81	

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

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	117.87	26.51	144.06	835.26	2,232,000.00 *gal*
Application event totals		117.87	26.51	144.06	835.26	

Coelho Ranch - 05/28/2023: Corn, silage

Field name: Coelho Ranch

Crop: Corn, silage — Plant date: 05/28/2023

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

Coelho Ranch - 05/28/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/20/2023	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
Wastewater	Process wastewater	80.61	14.01	105.16	703.92	1,656,000.00 *gal*
IW Cardoza	Ground water	19.55	0.00	0.00	307.46	3,144,000.00 *gal*
IW Coelho Ranch	Ground water	0.77	0.00	0.00	129.13	5,895,000.00 *gal*
Application event totals		100.93	14.01	105.16	1,140.52	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/24/2023	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
IW Coelho Ranch	Ground water	1.37	0.00	0.00	229.68	10,485,000.00 *gal*
Application event totals		1.37	0.00	0.00	229.68	

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
IW Coelho Ranch	Ground water	1.53	0.00	0.00	257.28	11,745,000.00 *gal*
Application event totals		1.53	0.00	0.00	257.28	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/30/2023	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
Wastewater	Process wastewater	103.21	14.66	105.56	761.44	1,896,000.00 *gal*
IW Coelho Ranch	Ground water	1.46	0.00	0.00	245.45	11,205,000.00 *gal*
Application event totals		104.68	14.66	105.56	1,006.89	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/13/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
IW Coelho Ranch	Ground water	1.28	0.00	0.00	215.88	9,855,000.00 *gal*
Application event totals		1.28	0.00	0.00	215.88	

Grangeville Ranch - 11/01/2022: Wheat, silage, soft dough

Field name: Grangeville Ranch

Crop: Wheat, silage, soft dough Plant date: 11/01/2022

Grangeville Ranch - 11/01/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
09/08/2023	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
Separator Solids	Separator solids	132.68	17.85	25.57	1,587.30	490.00 *ton*
Application event totals		132.68	17.85	25.57	1,587.30	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
11/18/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	1.50	0.00	0.00	55.42	23,331,840.00 *gal*
Application event totals		1.50	0.00	0.00	55.42	

Grangeville Ranch - 06/25/2023: Corn, silage

Field name: Grangeville Ranch

Crop: Corn, silage Plant date: 06/25/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/07/2023	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
Separator Solids	Separator solids	122.69	18.14	24.19	0.00	1,300.00 *ton*
Application event totals		122.69	18.14	24.19	0.00	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/01/2023	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
Canal	Surface water	1.48	0.00	0.00	54.91	23,116,800.00 *gal*
Application event totals		1.48	0.00	0.00	54.91	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/28/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	1.35	0.00	0.00	50.05	21,073,920.00 *gal*
Application event totals		1.35	0.00	0.00	50.05	

Grangeville Ranch - 06/25/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/11/2023	Surface (irrigation)	No precipitation	Light rain	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	1.51	0.00	0.00	55.93	23,546,880.00 *gal*
Application event totals		1.51	0.00	0.00	55.93	

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

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	1.39	0.00	0.00	51.33	21,611,520.00 *gal*
Application event totals		1.39	0.00	0.00	51.33	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
09/14/2023	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
Canal	Surface water	1.22	0.00	0.00	45.20	19,031,040.00 *gal*
Application event totals		1.22	0.00	0.00	45.20	

Home Place - 10/20/2022: Wheat, silage, soft dough

Field name: Home Place

Crop: Wheat, silage, soft dough Plant date: 10/20/2022

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
Wastewater	Process wastewater	85.57	25.80	143.99	826.76	1,032,000.00 *gal*
IW Fargo Home	Ground water	45.21	0.00	0.00	807.38	1,935,000.00 *gal*
IW Coelho Ranch	Ground water	0.65	0.00	0.00	108.51	1,935,000.00 *gal*
Application event totals		131.43	25.80	143.99	1,742.65	

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

Home Place - 10/20/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
01/06/2023	Surface (irrigation)	Light rain	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	123.29	27.73	150.69	873.70	912,000.00 *gal*
Application event totals		123.29	27.73	150.69	873.70	

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

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
IW Coelho Ranch	Ground water	1.55	0.00	0.00	259.92	4,635,000.00 *gal*
Application event totals		1.55	0.00	0.00	259.92	

Home Place - 05/25/2023: Corn, silage

Field name: Home Place

Crop: Corn, silage Plant date: 05/25/2023

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
Wastewater	Process wastewater	77.76	13.52	101.44	679.03	624,000.00 *gal*
IW Cardoza	Ground water	27.13	0.00	0.00	426.60	1,704,000.00 *gal*
IW Coelho Ranch	Ground water	1.07	0.00	0.00	179.17	3,195,000.00 *gal*
Application event totals		105.95	13.52	101.44	1,284.80	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/21/2023	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
IW Coelho Ranch	Ground water	1.40	0.00	0.00	234.69	4,185,000.00 *gal*
Application event totals		1.40	0.00	0.00	234.69	

Home Place - 05/25/2023: Corn, silage

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

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	73.58	10.45	75.26	542.84	528,000.00 *gal*
IW Coelho Ranch	Ground water	1.32	0.00	0.00	222.07	3,960,000.00 *gal*
Application event totals		74.90	10.45	75.26	764.91	

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

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
IW Coelho Ranch	Ground water	1.25	0.00	0.00	209.45	3,735,000.00 *gal*
Application event totals		1.25	0.00	0.00	209.45	

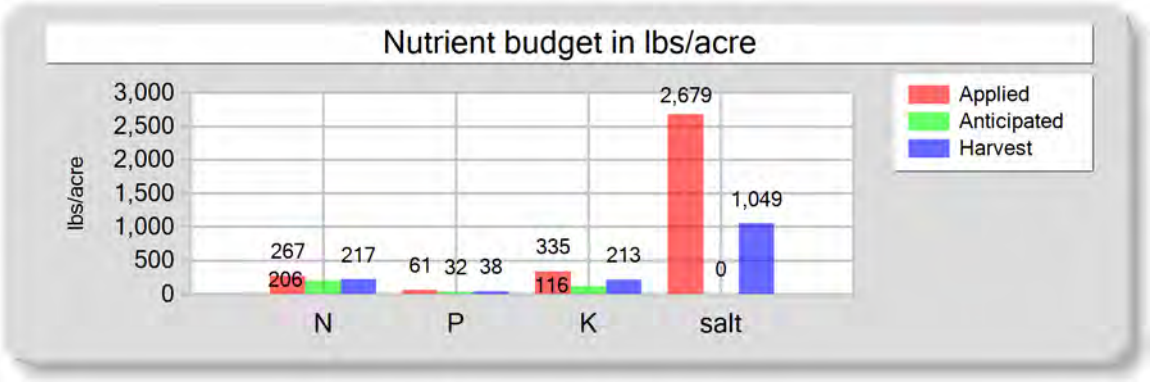
Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/10/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
IW Coelho Ranch	Ground water	1.16	0.00	0.00	194.31	3,465,000.00 *gal*
Application event totals		1.16	0.00	0.00	194.31	

B. NUTRIENT BUDGET

Cardoza - 10/26/2022: Wheat, silage, soft dough

Field name: Cardoza Crop: Wheat, silage, soft dough Plant date: 10/26/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	235.04	60.78	334.81	1,931.45
Fresh water	25.45	0.00	0.00	747.52
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	267.49	60.78	334.81	2,678.97
Anticipated crop nutrient removal	205.80	32.20	116.20	0.00
Actual crop nutrient removal	216.63	37.67	213.49	1,048.59
Nutrient balance	50.86	23.10	121.33	1,630.38
Applied to removed ratio	1.23	1.61	1.57	2.55

Fresh water applied	
13,263,000.00	*gallons*
488.43	*acre-inches*
12.21	*inches/acre*

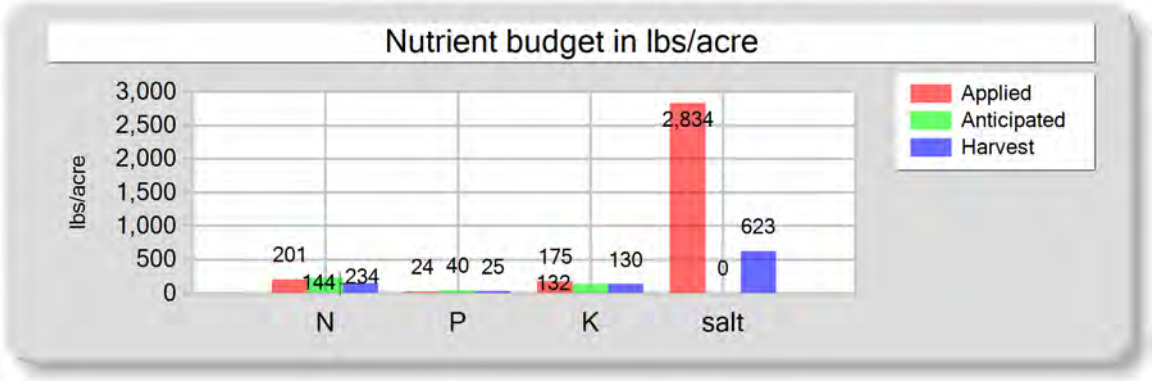
Process wastewater applied	
3,552,000.00	*gallons*
130.81	*acre-inches*
3.27	*inches/acre*

Total harvests for the crop	
1	*harvests*

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

Cardoza - 05/21/2023: Corn, silage

Field name: Cardoza | Crop: Corn, silage | Plant date: 05/21/2023



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	149.80	23.72	174.80	1,208.99
Fresh water	44.10	0.00	0.00	1,625.42
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	200.89	23.72	174.80	2,834.41
Anticipated crop nutrient removal	234.00	40.00	132.00	0.00
Actual crop nutrient removal	144.37	24.99	130.48	623.13
Nutrient balance	56.53	-1.27	44.32	2,211.28
Applied to removed ratio	1.39	0.95	1.34	4.55

Fresh water applied	
33,156,000.00	*gallons*
1,221.02	*acre-inches*
30.53	*inches/acre*

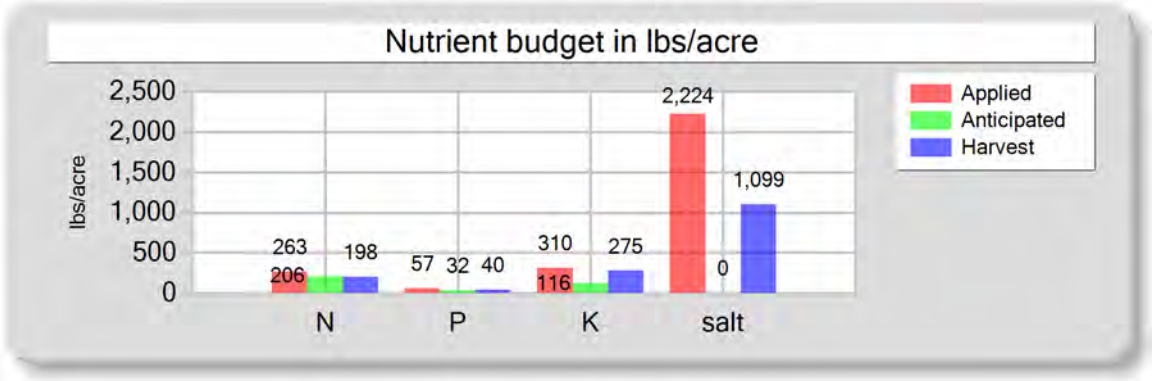
Process wastewater applied	
1,824,000.00	*gallons*
67.17	*acre-inches*
1.68	*inches/acre*

Total harvests for the crop	
1	*harvests*

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

Coelho Ranch - 10/22/2022: Wheat, silage, soft dough

Field name: Coelho Ranch | Crop: Wheat, silage, soft dough | Plant date: 10/22/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	253.48	57.02	309.81	1,796.26
Fresh water	2.55	0.00	0.00	427.82
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	263.03	57.02	309.81	2,224.08
Anticipated crop nutrient removal	205.80	32.20	116.20	0.00
Actual crop nutrient removal	198.00	40.22	275.34	1,098.83
Nutrient balance	65.03	16.80	34.47	1,125.25
Applied to removed ratio	1.33	1.42	1.13	2.02

Fresh water applied	
19,530,000.00	*gallons*
719.22	*acre-inches*
11.24	*inches/acre*

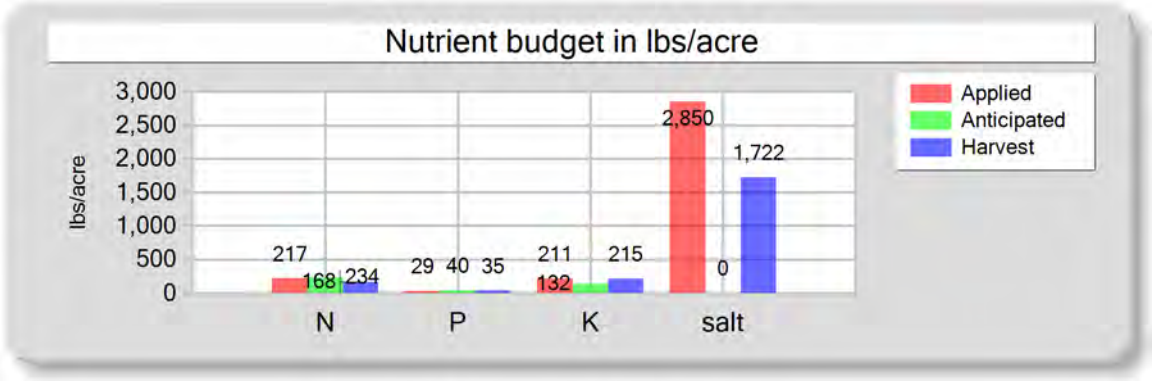
Process wastewater applied	
4,800,000.00	*gallons*
176.77	*acre-inches*
2.76	*inches/acre*

Total harvests for the crop	
1	*harvests*

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

Coelho Ranch - 05/28/2023: Corn, silage

Field name: Coelho Ranch | Crop: Corn, silage | Plant date: 05/28/2023



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	183.82	28.67	210.72	1,465.36
Fresh water	25.97	0.00	0.00	1,384.89
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	216.79	28.67	210.72	2,850.25
Anticipated crop nutrient removal	234.00	40.00	132.00	0.00
Actual crop nutrient removal	167.65	35.30	214.71	1,722.41
Nutrient balance	49.13	-6.62	-3.99	1,127.84
Applied to removed ratio	1.29	0.81	0.98	1.65

Fresh water applied	
52,329,000.00	*gallons*
1,927.10	*acre-inches*
30.11	*inches/acre*

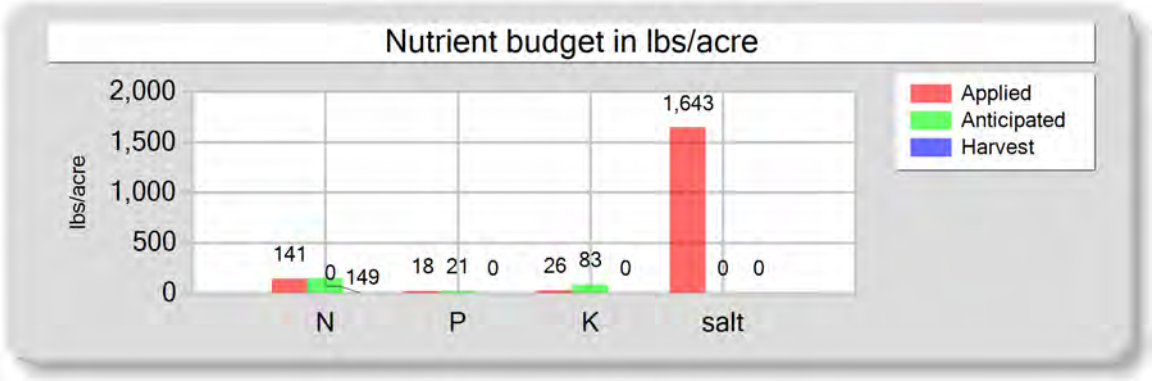
Process wastewater applied	
3,552,000.00	*gallons*
130.81	*acre-inches*
2.04	*inches/acre*

Total harvests for the crop	
1	*harvests*

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

Grangeville Ranch - 11/01/2022: Wheat, silage, soft dough

Field name: Grangeville Ranch Crop: Wheat, silage, soft dough Plant date: 11/01/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	132.68	17.85	25.57	1,587.30
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	1.50	0.00	0.00	55.42
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	141.17	17.85	25.57	1,642.71
Anticipated crop nutrient removal	149.00	21.00	83.00	0.00
Actual crop nutrient removal	0.00	0.00	0.00	0.00
Nutrient balance	141.17	17.85	25.57	1,642.71
Applied to removed ratio	0.00	0.00	0.00	0.00

Fresh water applied	
23,331,840.00	*gallons*
859.23	*acre-inches*
6.61	*inches/acre*

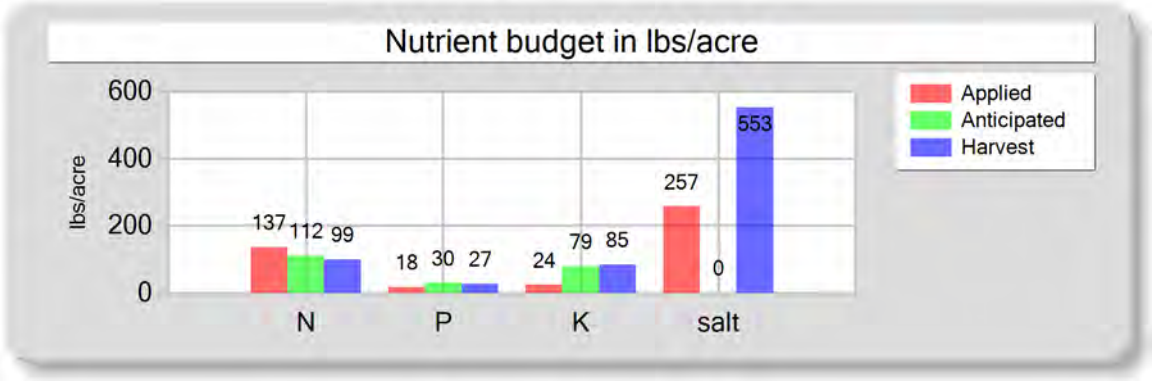
Process wastewater applied	
0.00	*gallons*
0.00	*acre-inches*
0.00	*inches/acre*

Total harvests for the crop	
1	*harvests*

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

Grangeville Ranch - 06/25/2023: Corn, silage

Field name: Grangeville Ranch Crop: Corn, silage Plant date: 06/25/2023



	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	122.69	18.14	24.19	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	6.96	0.00	0.00	257.42
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	136.65	18.14	24.19	257.42
Anticipated crop nutrient removal	111.60	30.00	79.20	0.00
Actual crop nutrient removal	99.08	26.58	84.58	552.90
Nutrient balance	37.57	-8.44	-60.39	-295.48
Applied to removed ratio	1.38	0.68	0.29	0.47

Fresh water applied	
108,380,160.00	*gallons*
3,991.27	*acre-inches*
30.70	*inches/acre*

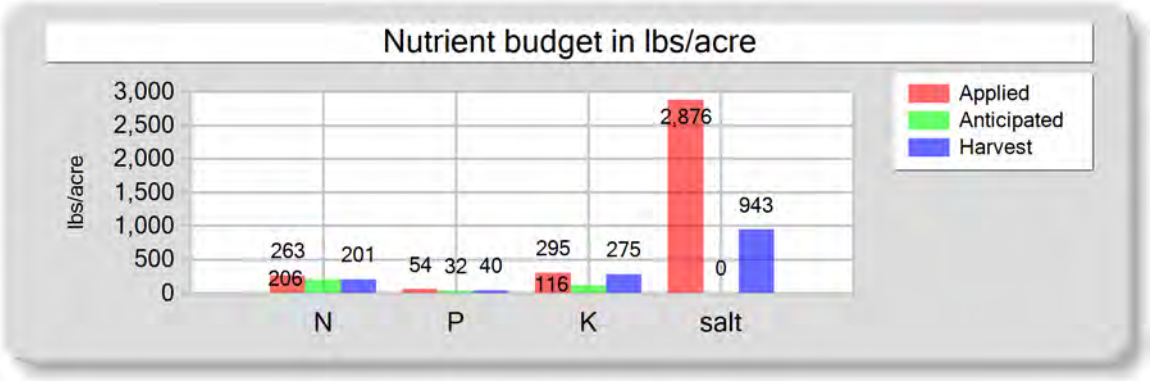
Process wastewater applied	
0.00	*gallons*
0.00	*acre-inches*
0.00	*inches/acre*

Total harvests for the crop	
1	*harvests*

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

Home Place - 10/20/2022: Wheat, silage, soft dough

Field name: Home Place | Crop: Wheat, silage, soft dough | Plant date: 10/20/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	208.86	53.53	294.68	1,700.46
Fresh water	47.41	0.00	0.00	1,175.81
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	263.27	53.53	294.68	2,876.27
Anticipated crop nutrient removal	205.80	32.20	116.20	0.00
Actual crop nutrient removal	201.09	40.22	275.34	943.42
Nutrient balance	62.18	13.32	19.35	1,932.85
Applied to removed ratio	1.31	1.33	1.07	3.05

Fresh water applied	
8,505,000.00	*gallons*
313.21	*acre-inches*
12.53	*inches/acre*

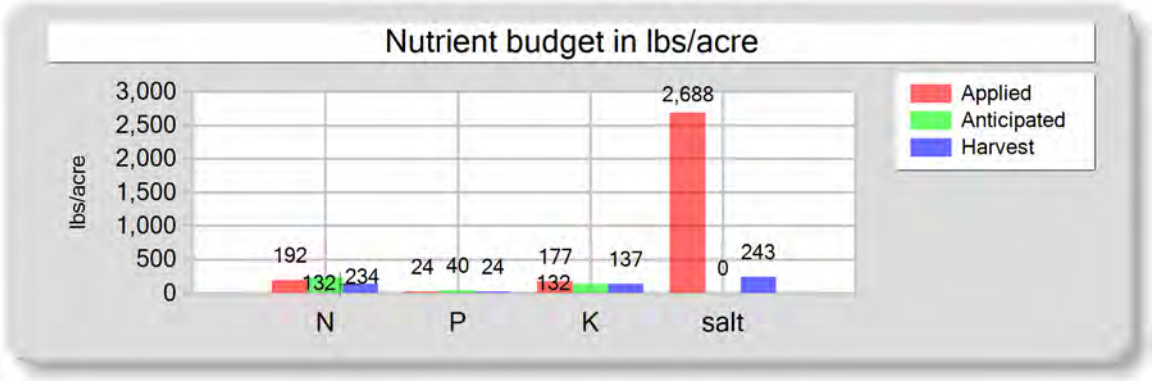
Process wastewater applied	
1,944,000.00	*gallons*
71.59	*acre-inches*
2.86	*inches/acre*

Total harvests for the crop	
1	*harvests*

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

Home Place - 05/25/2023: Corn, silage

Field name: Home Place | Crop: Corn, silage | Plant date: 05/25/2023



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	151.34	23.97	176.70	1,221.87
Fresh water	33.32	0.00	0.00	1,466.29
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	191.66	23.97	176.70	2,688.16
Anticipated crop nutrient removal	234.00	40.00	132.00	0.00
Actual crop nutrient removal	131.90	23.74	137.18	242.97
Nutrient balance	59.75	0.23	39.51	2,445.19
Applied to removed ratio	1.45	1.01	1.29	11.06

Fresh water applied	
20,244,000.00	*gallons*
745.52	*acre-inches*
29.82	*inches/acre*

Process wastewater applied	
1,152,000.00	*gallons*
42.42	*acre-inches*
1.70	*inches/acre*

Total harvests for the crop	
1	*harvests*

NUTRIENT ANALYSES

A. MANURE ANALYSES

Separator Solids (2022)

Sample and source description: Separator Solids (2022)

Sample date: 10/04/2022 Material type: Separator solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 36.0 %

	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	27,500.00	3,700.00	5,300.00							32.90
DL	100.00	100.00	100.00							0.01

Separated Solids

Sample and source description: Separated Solids

Sample date: 04/18/2023 Material type: Separator solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 78.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	28,400.00	4,200.00	5,600.00							
DL	100.00	100.00	100.00							

Corral Solids

Sample and source description: Corral Solids

Sample date: 05/18/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 28.8 %

	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	12,400.00	3,500.00	16,000.00	15,300.00	7,500.00	3,900.00	2,700.00	5,000.00		62.60
DL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	1,000.00		0.01

Separated Solids

Sample and source description: Separated Solids

Sample date: 10/03/2023 Material type: Separator solids Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 71.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	25,400.00	4,700.00	7,400.00							
DL	100.00	100.00	100.00							

B. PROCESS WASTEWATER ANALYSES

4th Q WW

Sample and source description: 4th Q WW

Sample date: 10/18/2022 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.30

	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	247.00	243.00	0.00	1.40	74.90	418.00								5,440.00	2,400
DL	1.00	0.50	0.50	0.10	0.10	0.50								10.00	10

WW 1st Q South Side WWS #1

Sample and source description: WW 1st Q South Side WWS #1

Sample date: 02/14/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.10

	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	404.00	207.00	0.00	1.00	91.10	495.00								5,580.00	2,870
DL	1.00	0.50	0.50	0.10	0.10	0.50								10.00	10

WW 2nd Q South Side WWS #1

Sample and source description: WW 2nd Q South Side WWS #1

Sample date: 06/06/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.40

	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	372.00	279.00	0.00	1.30	64.90	487.00								6,380.00	3,260
DL	1.00	0.50	0.50	0.10	0.10	0.50								10.00	10

WW 3rd Q - South Side WWS #1

Sample and source description: WW 3rd Q - South Side WWS #1

Sample date: 09/06/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.70

	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	417.00	359.00	0.00	0.50	59.30	427.00	135.00	82.70	246.00	2,350.00	0.00	53.80	250.00	5,700.00	3,080
DL	1.00	0.50	0.50	0.10	0.10	0.50	0.10	0.10	1.00	5.00	1.00	0.50	0.20	10.00	10

WW 4th Q South Side WWS #1

Sample and source description: WW 4th Q South Side WWS #1

Sample date: 10/24/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.30

	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	398.00	267.00	0.00	12.70	79.20	383.00								5,460.00	2,720
DL	1.00	0.50	0.50	0.10	0.10	0.50								10.00	10

C. FRESH WATER ANALYSES

Canal

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

Canal

Grangeville Canal

Sample description: Grangeville Canal

Sample date: 08/18/2023 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	1.00	0.00	1.00								40.60	37
DL	1.00	0.50	0.10								10.00	10

IW Cardoza

IW Cardoza

Sample description: IW Cardoza

Sample date: 08/18/2023 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	47.70	0.00	47.60	129.00	20.20	82.00	222.00	0.00	93.00	55.30	1,120.00	750
DL	1.00	0.50	0.10	0.10	0.10	1.00	5.00	1.00	0.50	0.20	10.00	10

IW Coelho Ranch

IW Coehlo Ranch

Sample description: IW Coehlo Ranch

Sample date: 08/18/2023 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	1.00	0.00	1.00	3.40	0.00	61.00	271.00	17.00	11.50	19.60	271.00	168
DL	1.00	0.50	0.10	0.10	0.10	1.00	5.00	1.00	0.50	0.20	10.00	10

IW Fargo Home

IW Fargo Home

IW Fargo Home

Sample description: IW Fargo Home

Sample date: 08/18/2023 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	70.00	0.00	70.00	192.00	27.10	89.00	261.00	0.00	128.00	74.80	1,480.00	1,250
DL	1.00	0.50	0.10	0.10	0.10	1.00	5.00	1.00	0.50	0.20	10.00	10

D. SOIL ANALYSES

No soil analyses entered.

E. PLANT TISSUE ANALYSES

Cardoza - 10/26/2022: Wheat, silage, soft dough

Cardoza

Sample and source description: Cardoza

Sample date: 05/02/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 66.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	6,900.00	1,200.00	6,800.00		10.00
DL	100.00	100.00	100.00		0.01

Cardoza - 05/21/2023: Corn, silage

Cardoza - 05/21/2023: Corn, silage

Field Cardoza

Sample and source description: Field Cardoza

Sample date: 09/05/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 66.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,200.00	900.00	4,700.00		6.70
DL	100.00	100.00	100.00		0.01

Coelho Ranch - 10/22/2022: Wheat, silage, soft dough

Coehlo Ranch

Sample and source description: Coehlo Ranch

Sample date: 05/02/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 69.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	6,400.00	1,300.00	8,900.00		11.80
DL	100.00	100.00	100.00		0.01

Coelho Ranch - 05/28/2023: Corn, silage

Field Coehlo Ranch

Sample and source description: Field Coehlo Ranch

Sample date: 09/05/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 63.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,700.00	1,200.00	7,300.00		16.00
DL	100.00	100.00	100.00		0.01

Grangeville Ranch - 06/25/2023: Corn, silage

Grangeville Ranch

Sample and source description: Grangeville Ranch

Sample date: 10/17/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 64.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,100.00	1,100.00	3,500.00		6.50
DL	100.00	100.00	100.00		0.01

Home Place - 10/20/2022: Wheat, silage, soft dough

Home Place

Sample and source description: Home Place

Sample date: 05/02/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 67.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	6,500.00	1,300.00	8,900.00		9.50
DL	100.00	100.00	100.00		0.01

Home Place - 05/25/2023: Corn, silage

Field Home Place

Sample and source description: Field Home Place

Sample date: 09/05/2023 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	5,000.00	900.00	5,200.00		3.00
DL	100.00	100.00	100.00		0.01

F. SUBSURFACE (TILE) DRAINAGE ANALYSES

No subsurface (tile) drainage analyses entered.

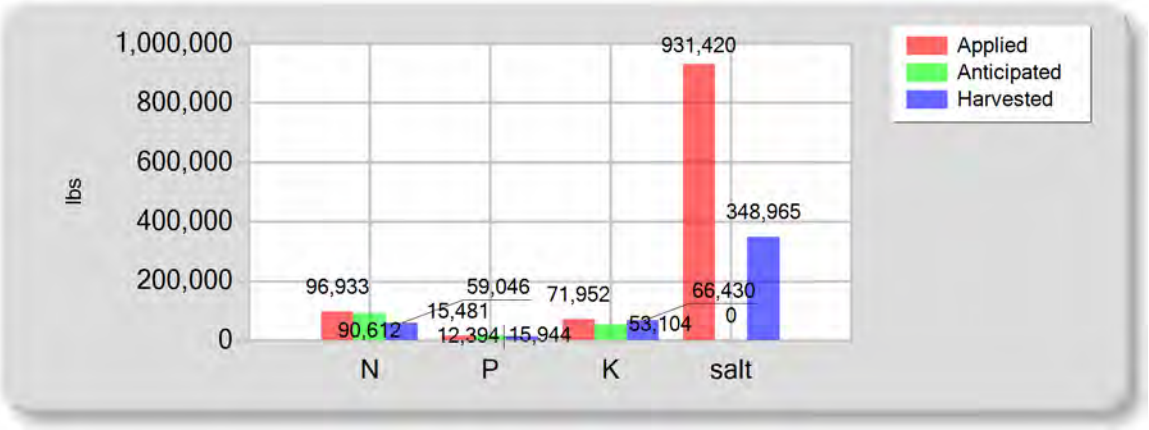
Annual Report - General Order No. R5-2007-0035
Reporting period 01/01/2023 to 12/31/2023.

NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE

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

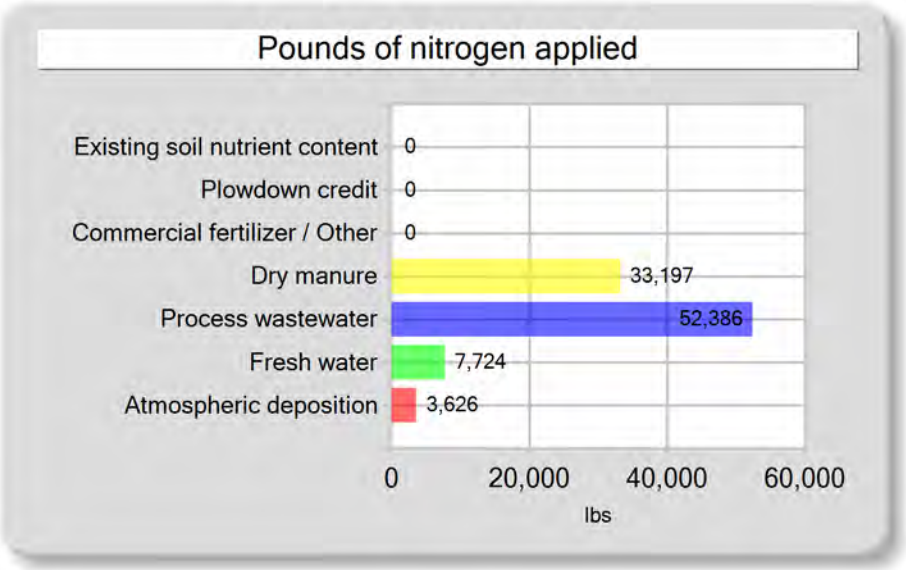
	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	33,197.44	4,679.36	6,469.12	206,348.80
Process wastewater	52,385.68	10,801.48	65,482.95	407,419.59
Fresh water	7,723.97	0.00	0.00	317,651.54
Atmospheric deposition	3,626.00	0.00	0.00	0.00
Total nutrients applied	96,933.09	15,480.84	71,952.07	931,419.93
Anticipated crop nutrient removal	90,612.20	15,943.80	53,103.80	0.00
Actual crop nutrient removal	59,046.10	12,393.91	66,430.33	348,964.56
Nutrient balance	37,886.98	3,086.93	5,521.74	582,455.37
Applied to removed ratio	1.64	1.25	1.08	2.67

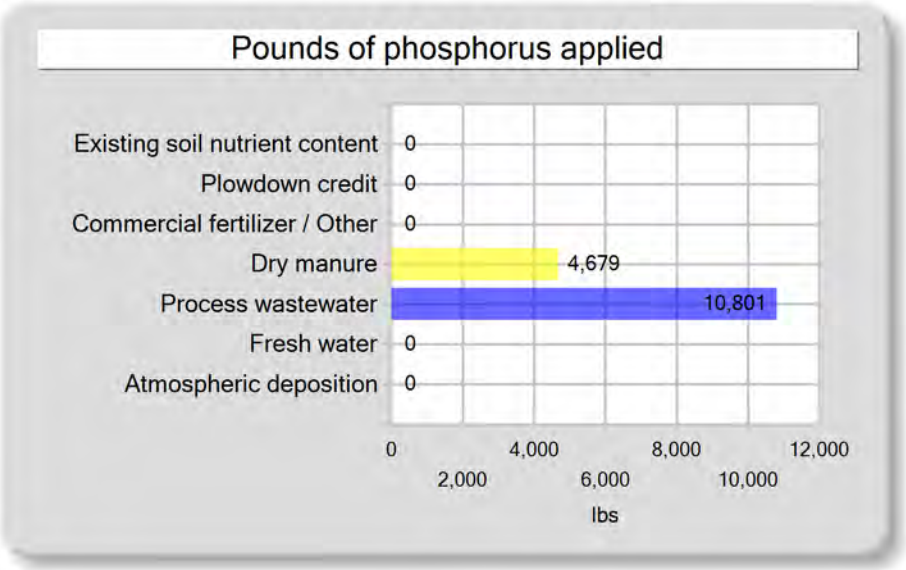
B. POUNDS OF NUTRIENT APPLIED VS. CROP REMOVAL

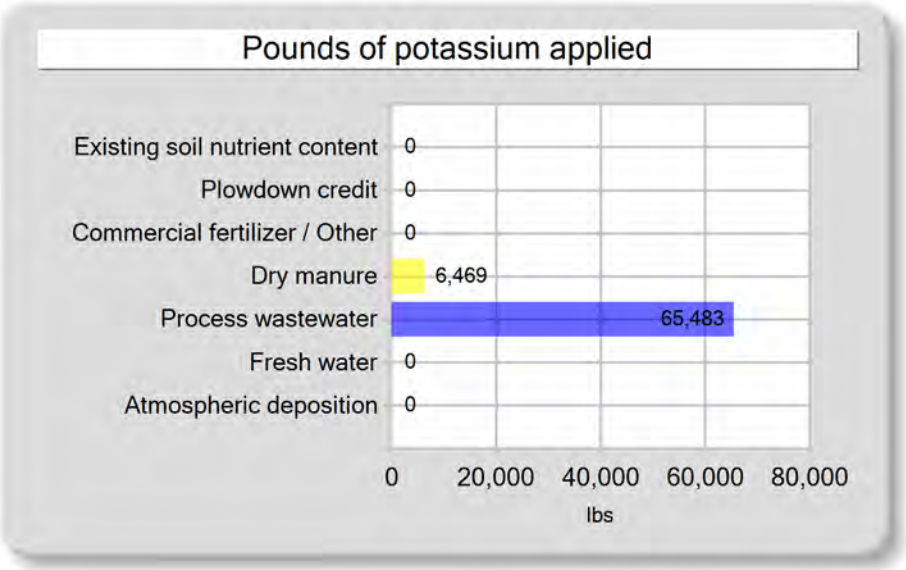


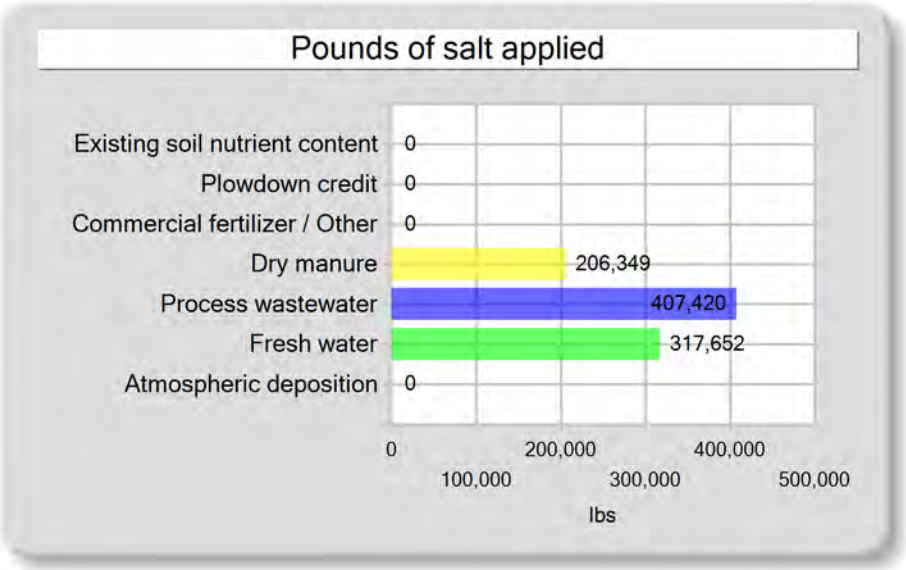
Annual Report - General Order No. R5-2007-0035
Reporting period 01/01/2023 to 12/31/2023.

C. POUNDS OF NUTRIENT APPLIED BY MATERIAL TYPE









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

EXCEPTION REPORTING

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

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

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

B. STORM WATER DISCHARGES

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

No stormwater discharges occurred during the reporting period.

C. LAND APPLICATION AREA TO SURFACE WATER DISCHARGES

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

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

NUTRIENT MANAGEMENT PLAN AND EXPORT AGREEMENT STATEMENTS

A. NUTRIENT MANAGEMENT PLAN STATEMENTS

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

Precipitation utilized during winter months to meet forage freshwater requirements.

Irrigation wells Grangeville North was non-operational in 2023 and will be sampled once the well becomes operational and used during the cropping season. Heavy rains during the winter season allowed for sufficient amounts of surface water to grow crops .

Field Cardoza Corn had a lower than anticipated removal rate. This was due to a lower than expected yield and lower than expected %N. The %N was based on analysis that was derived through a certified laboratory. However, the applications to these fields matched the low removal rates and was able to meet the field ratio threshold of 1.4.

Field Home Place Corn had a lower than anticipated removal rate due to lower than anticipated %N and low tonnage. This resulted in field ratios slightly exceeding target limits.

Field Grangeville Wheat was flooded out in 2023. This was due to unforeseen sustained heavy rain events that led to the levee of the canal breaking and flooding the entire field resulting in complete crop loss.

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.

DocuSigned by:
Antonio Garcia
05D28A0781484DB...

SIGNATURE OF OWNER OF FACILITY

Antonio Garcia

PRINT OR TYPE NAME

6/19/2024

DATE

Sergio Rocha
Sergio Rocha (Jun 20, 2024 11:33 PDT)

SIGNATURE OF OPERATOR OF FACILITY

Rocha Sergio

PRINT OR TYPE NAME

Jun 20, 2024

DATE

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

ATTACHMENTS

A. REQUIRED ATTACHMENTS

The following lists the required documents that should be attached to the Annual Report when submitted .

Annual Dairy Facility Assessment

Provide an Annual Dairy Facility Assessment (an update to the Preliminary Dairy Facility Assessment in Attachment A) for each reporting period. On the PDFA Final page, click on the ADFA Report button to generate an ADFA report after updating information as needed .

Manure/Process Wastewater Tracking Manifests

Provide copies of all manure/process wastewater tracking manifests for the reporting period, signed by both the owner/operator and the hauler.

Corrective Actions Documents

Provide records documenting any corrective actions taken to correct deficiencies noted as a result of the inspections required in the Monitoring Requirements of the General Order. Deficiencies not corrected in 30 days must be accompanied by an explanation of the factors preventing immediate correction.

Groundwater Monitoring

Dischargers that monitor supply wells or subsurface (tile) drainage systems, or that have monitoring well systems must submit monitoring results as directed in the General Order, Groundwater Reporting Section starting on page MRP-13.

Storm Water Monitoring

Dischargers that are required to monitor storm water more frequently than required in the General Order must submit monitoring results as directed in the General Order, Storm Water Reporting Section on page MRP-14.

DELLAVALLE™
LABORATORY INC

Antonio Garcia Dairy
6571 Fargo Ave
Hanford, CA 93230-9421

Account# 00-0015887
Account Manager: Ben Nydam
Submitted By: Antonio/Mary Garcia

Received: 08/18/2023 12:14
Reported: 08/24/2023 16:21

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23H1712-01	IW Cardoza	Ag Water	Antonio	Irrigation Wells	08/18/2023 7:41
23H1712-02	IW Coelho Ranch	Ag Water	Antonio	Irrigation Wells	08/18/2023 7:53
23H1712-03	IW Fargo Home	Ag Water	Antonio	Irrigation Wells	08/18/2023 8:08

Default Cooler Temperature on Receipt °C: 1.1
Containers Intact
COC/Labels Agree
Received On Ice

Notes and Definitions

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

Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

DELLAVALLE™
LABORATORY INC

Antonio Garcia Dairy
6571 Fargo Ave
Hanford, CA 93230-9421

Account# 00-0015887
Account Manager: Ben Nydam
Submitted By: Antonio/Mary Garcia

Received: 08/18/2023 12:14
Reported: 08/24/2023 16:21

Sample Results

Sample: IW Cardoza
23H1712-01 (Water)

Sampled: 8/18/2023 7:41
Sampled By: Antonio

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO3	**222**	mg/L	10.0	1		08/22/23 13:21	SM 2320 B		BEH0949
Calcium	**129**	mg/L	0.1	1		08/22/23 12:49	EPA 200.7		BEH0945
Chloride	**55.3**	mg/L	0.2	1	250	08/18/23 17:12	EPA 300.0		BEH0944
Carbonate as CaCO3	ND	mg/L	1	1		08/22/23 13:21	SM 2320 B		BEH0949
Electrical Conductivity	**1.12**	mmhos/cm	0.01	1		08/22/23 13:21	SM 2510 B		BEH0949
Electrical Conductivity umhos	**1120**	umhos/cm	10.0	1		08/22/23 13:21	SM 2510 B		BEH0949
Bicarbonate as CaCO3	**222**	mg/L	5.00	1		08/22/23 13:21	SM 2320 B		BEH0949
Potassium	**3.04**	mg/L	0.500	1		08/22/23 12:49	EPA 200.7		BEH0945
Magnesium	**20.2**	mg/L	0.1	1		08/22/23 12:49	EPA 200.7		BEH0945
Sodium	**82**	mg/L	1	1		08/22/23 12:49	EPA 200.7		BEH0945
Ammonia (as N)	*	mg/L	0.00	1		08/18/23 07:41	Field		BEH1017
Nitrate Nitrogen as NO3N	**47.6**	mg/L	0.1	1	10	08/18/23 17:12	EPA 300.0		BEH0944
Hydroxide as CaCO3	ND	mg/L	1.00	1		08/22/23 13:21	SM 2320 B		BEH0949
pH	**7.7**	units	1.0	1		08/22/23 13:21	SM 4500-H+	H	BEH0949
Sulfate (SO4)	**93.0**	mg/L	0.5	1	250	08/18/23 17:12	EPA 300.0		BEH0944
Total Filterable Solids (TDS)	**750**	mg/L	10.0	1		08/23/23 15:00	SM 2540 C		BEH0981
Kjeldahl Nitrogen (TKN), Total	ND	mg/L	1.00	1		08/23/23 15:28	SM 4500-NH3 C		BEH1052
Total Nitrogen	**47.7**	mg/L	1.00	1		08/23/23 15:28	SM 4500-NH3 C		BEH1052

DELLAVALLE™
LABORATORY INC

Antonio Garcia Dairy
6571 Fargo Ave
Hanford, CA 93230-9421

Account# 00-0015887
Account Manager: Ben Nydam
Submitted By: Antonio/Mary Garcia

Received: 08/18/2023 12:14
Reported: 08/24/2023 16:21

Sample Results
(Continued)

Sample: IW Coelho Ranch
23H1712-02 (Water)

Sampled: 8/18/2023 7:53
Sampled By: Antonio

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO3	**96.6**	mg/L	10.0	1		08/22/23 13:21	SM 2320 B		BEH0949
Calcium	**3.4**	mg/L	0.1	1		08/22/23 12:50	EPA 200.7		BEH0945
Chloride	**19.6**	mg/L	0.2	1	250	08/18/23 17:32	EPA 300.0		BEH0944
Carbonate as CaCO3	**17**	mg/L	1	1		08/22/23 13:21	SM 2320 B		BEH0949
Electrical Conductivity	**0.27**	mmhos/cm	0.01	1		08/22/23 13:21	SM 2510 B		BEH0949
Electrical Conductivity umhos	**271**	umhos/cm	10.0	1		08/22/23 13:21	SM 2510 B		BEH0949
Bicarbonate as CaCO3	**80.0**	mg/L	5.00	1		08/22/23 13:21	SM 2320 B		BEH0949
Potassium	**0.557**	mg/L	0.500	1		08/22/23 12:50	EPA 200.7		BEH0945
Magnesium	ND	mg/L	0.1	1		08/22/23 12:50	EPA 200.7		BEH0945
Sodium	**61**	mg/L	1	1		08/22/23 12:50	EPA 200.7		BEH0945
Ammonia (as N)	*	mg/L	0.00	1		08/18/23 07:53	Field		BEH1017
Nitrate Nitrogen as NO3N	ND	mg/L	0.1	1	10	08/18/23 17:32	EPA 300.0		BEH0944
Hydroxide as CaCO3	ND	mg/L	1.00	1		08/22/23 13:21	SM 2320 B		BEH0949
pH	**9.0**	units	1.0	1		08/22/23 13:21	SM 4500-H+	H	BEH0949
Sulfate (SO4)	**11.5**	mg/L	0.5	1	250	08/18/23 17:32	EPA 300.0		BEH0944
Total Filterable Solids (TDS)	**168**	mg/L	10.0	1		08/23/23 15:00	SM 2540 C		BEH0981
Kjeldahl Nitrogen (TKN), Total	ND	mg/L	1.00	1		08/23/23 15:30	SM 4500-NH3 C		BEH1052
Total Nitrogen	ND	mg/L	1.00	1		08/23/23 15:30	SM 4500-NH3 C		BEH1052

DELLAVALLE™
LABORATORY INC

Antonio Garcia Dairy
6571 Fargo Ave
Hanford, CA 93230-9421

Account# 00-0015887
Account Manager: Ben Nydam
Submitted By: Antonio/Mary Garcia

Received: 08/18/2023 12:14
Reported: 08/24/2023 16:21

Sample Results
(Continued)

Sample: IW Fargo Home
23H1712-03 (Water)

Sampled: 8/18/2023 8:08
Sampled By: Antonio

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO3	**261**	mg/L	10.0	1		08/22/23 13:21	SM 2320 B		BEH0949
Calcium	**192**	mg/L	0.1	1		08/22/23 12:51	EPA 200.7		BEH0945
Chloride	**74.8**	mg/L	0.2	1	250	08/18/23 17:52	EPA 300.0		BEH0944
Carbonate as CaCO3	ND	mg/L	1	1		08/22/23 13:21	SM 2320 B		BEH0949
Electrical Conductivity	**1.48**	mmhos/cm	0.01	1		08/22/23 13:21	SM 2510 B		BEH0949
Electrical Conductivity umhos	**1480**	umhos/cm	10.0	1		08/22/23 13:21	SM 2510 B		BEH0949
Bicarbonate as CaCO3	**261**	mg/L	5.00	1		08/22/23 13:21	SM 2320 B		BEH0949
Potassium	**3.68**	mg/L	0.500	1		08/22/23 12:51	EPA 200.7		BEH0945
Magnesium	**27.1**	mg/L	0.1	1		08/22/23 12:51	EPA 200.7		BEH0945
Sodium	**89**	mg/L	1	1		08/22/23 12:51	EPA 200.7		BEH0945
Ammonia (as N)	*	mg/L	0.00	1		08/18/23 08:08	Field		BEH1017
Nitrate Nitrogen as NO3N	**70.0**	mg/L	0.1	1	10	08/18/23 17:52	EPA 300.0		BEH0944
Hydroxide as CaCO3	ND	mg/L	1.00	1		08/22/23 13:21	SM 2320 B		BEH0949
pH	**7.6**	units	1.0	1		08/22/23 13:21	SM 4500-H+	H	BEH0949
Sulfate (SO4)	**128**	mg/L	0.5	1	250	08/18/23 17:52	EPA 300.0		BEH0944
Total Filterable Solids (TDS)	**1250**	mg/L	10.0	1		08/23/23 15:00	SM 2540 C		BEH0981
Kjeldahl Nitrogen (TKN), Total	ND	mg/L	1.00	1		08/23/23 15:31	SM 4500-NH3 C		BEH1052
Total Nitrogen	**70.0**	mg/L	1.00	1		08/23/23 15:31	SM 4500-NH3 C		BEH1052

DELLAVALLE™
LABORATORY INC

Antonio Garcia Dairy
6571 Fargo Ave
Hanford, CA 93230-9421

Account# 00-0015887
Account Manager: Ben Nydam
Submitted By: Antonio/Mary Garcia

Received: 08/18/2023 12:14
Reported: 08/24/2023 16:21

Quality Control

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0944										
Blank (BEH0944-BLK1)					Prepared & Analyzed: 8/18/2023					
Chloride	ND		0.2	mg/L						
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Sulfate (SO4)	ND		0.5	mg/L						
Blank (BEH0944-BLK2)					Prepared & Analyzed: 8/18/2023					
Chloride	ND		0.2	mg/L						
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Sulfate (SO4)	ND		0.5	mg/L						
Blank (BEH0944-BLK3)					Prepared & Analyzed: 8/19/2023					
Chloride	ND		0.2	mg/L						
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Sulfate (SO4)	ND		0.5	mg/L						
Blank (BEH0944-BLK4)					Prepared & Analyzed: 8/19/2023					
Chloride	ND		0.2	mg/L						
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Sulfate (SO4)	ND		0.5	mg/L						
LCS (BEH0944-BS1)					Prepared & Analyzed: 8/18/2023					
Chloride	4.9		0.2	mg/L	5.000		98.9	90-110		
Nitrate Nitrogen as NO3N	5.1		0.1	mg/L	5.000		102	90-110		
Sulfate (SO4)	4.8		0.5	mg/L	5.000		95.8	90-110		
LCS (BEH0944-BS2)					Prepared & Analyzed: 8/19/2023					
Chloride	5.0		0.2	mg/L	5.000		99.8	90-110		
Nitrate Nitrogen as NO3N	5.2		0.1	mg/L	5.000		103	90-110		
Sulfate (SO4)	4.8		0.5	mg/L	5.000		96.8	90-110		
LCS (BEH0944-BS3)					Prepared & Analyzed: 8/19/2023					
Chloride	4.9		0.2	mg/L	5.000		98.5	90-110		
Nitrate Nitrogen as NO3N	5.1		0.1	mg/L	5.000		102	90-110		
Sulfate (SO4)	4.8		0.5	mg/L	5.000		95.3	90-110		
Duplicate (BEH0944-DUP1)		**Source: 23H1712-02**			Prepared & Analyzed: 8/18/2023					
Chloride	19.9		0.2	mg/L		19.6			1.40	10
Nitrate Nitrogen as NO3N	0.06		0.1	mg/L		0.06			0.00	10
Sulfate (SO4)	11.7		0.5	mg/L		11.5			1.70	10
Duplicate (BEH0944-DUP2)		**Source: 23H1717-05**			Prepared & Analyzed: 8/19/2023					
Chloride	20.5		0.2	mg/L		20.2			1.27	10
Nitrate Nitrogen as NO3N	0.09		0.1	mg/L		0.08			3.47	10
Sulfate (SO4)	12.8		0.5	mg/L		12.7			0.862	10

DELLAVALLE™
LABORATORY INC

Antonio Garcia Dairy
6571 Fargo Ave
Hanford, CA 93230-9421

Account# 00-0015887
Account Manager: Ben Nydam
Submitted By: Antonio/Mary Garcia

Received: 08/18/2023 12:14
Reported: 08/24/2023 16:21

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0944 (Continued)										
Duplicate (BEH0944-DUP3)		**Source: 23H1758-01**			Prepared & Analyzed: 8/19/2023					
Chloride	9.7		0.2	mg/L		9.7			0.186	10
Nitrate Nitrogen as NO3N	1.7		0.1	mg/L		1.7			0.532	10
Sulfate (SO4)	3.9		0.5	mg/L		3.9			0.130	10
Matrix Spike (BEH0944-MS1)		**Source: 23H1712-02**			Prepared & Analyzed: 8/18/2023					
Chloride	24.5		0.2	mg/L	5.000	19.6	98.6	90-110		
Nitrate Nitrogen as NO3N	5.1		0.1	mg/L	5.000	0.06	102	90-110		
Sulfate (SO4)	16.8		0.5	mg/L	5.000	11.5	107	90-110		
Matrix Spike (BEH0944-MS2)		**Source: 23H1717-05**			Prepared & Analyzed: 8/19/2023					
Chloride	25.1		0.2	mg/L	5.000	20.2	98.1	90-110		
Nitrate Nitrogen as NO3N	5.2		0.1	mg/L	5.000	0.08	101	90-110		
Sulfate (SO4)	17.9		0.5	mg/L	5.000	12.7	104	90-110		
Matrix Spike (BEH0944-MS3)		**Source: 23H1758-01**			Prepared & Analyzed: 8/19/2023					
Chloride	14.6		0.2	mg/L	5.000	9.7	98.6	90-110		
Nitrate Nitrogen as NO3N	6.9		0.1	mg/L	5.000	1.7	104	90-110		
Sulfate (SO4)	9.0		0.5	mg/L	5.000	3.9	103	90-110		
Reference (BEH0944-SRM1)					Prepared & Analyzed: 8/18/2023					
Chloride	12.7			mg/L	12.50		101	90-110		
Nitrate Nitrogen as NO3N	10.2			mg/L	10.00		102	90-110		
Sulfate (SO4)	10.0			mg/L	10.00		100	90-110		
Reference (BEH0944-SRM2)					Prepared & Analyzed: 8/18/2023					
Chloride	13.0			mg/L	12.50		104	90-110		
Nitrate Nitrogen as NO3N	10.4			mg/L	10.00		104	90-110		
Sulfate (SO4)	10.3			mg/L	10.00		103	90-110		
Reference (BEH0944-SRM3)					Prepared & Analyzed: 8/19/2023					
Chloride	12.8			mg/L	12.50		102	90-110		
Nitrate Nitrogen as NO3N	10.2			mg/L	10.00		102	90-110		
Sulfate (SO4)	10.1			mg/L	10.00		101	90-110		
Reference (BEH0944-SRM4)					Prepared & Analyzed: 8/19/2023					
Chloride	12.8			mg/L	12.50		102	90-110		
Nitrate Nitrogen as NO3N	10.2			mg/L	10.00		102	90-110		
Sulfate (SO4)	10.1			mg/L	10.00		101	90-110		

DELLAVALLE™ LABORATORY INC

Antonio Garcia Dairy
6571 Fargo Ave
Hanford, CA 93230-9421

Account# 00-0015887
Account Manager: Ben Nydam
Submitted By: Antonio/Mary Garcia

Received: 08/18/2023 12:14
Reported: 08/24/2023 16:21

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0945										
Blank (BEH0945-BLK1)					Prepared: 8/18/2023 Analyzed: 8/22/2023					
Potassium	ND		0.500	mg/L						
Sodium	ND		1	mg/L						
Calcium	ND		0.1	mg/L						
Magnesium	ND		0.1	mg/L						
Blank (BEH0945-BLK2)					Prepared: 8/18/2023 Analyzed: 8/22/2023					
Potassium	ND		0.500	mg/L						
Sodium	ND		1	mg/L						
Calcium	ND		0.1	mg/L						
Magnesium	ND		0.1	mg/L						
LCS (BEH0945-BS1)					Prepared: 8/18/2023 Analyzed: 8/22/2023					
Potassium	37.3		0.500	mg/L	35.71		104	90-110		
Calcium	38.3		0.1	mg/L	35.71		107	90-110		
Sodium	38		1	mg/L	35.71		107	90-110		
Magnesium	37.6		0.1	mg/L	35.71		105	90-110		
LCS (BEH0945-BS2)					Prepared: 8/18/2023 Analyzed: 8/22/2023					
Potassium	38.0		0.500	mg/L	35.71		106	90-110		
Calcium	38.6		0.1	mg/L	35.71		108	90-110		
Sodium	39		1	mg/L	35.71		110	90-110		
Magnesium	37.8		0.1	mg/L	35.71		106	90-110		
Duplicate (BEH0945-DUP1)		**Source: 23H1598-01**			Prepared: 8/18/2023 Analyzed: 8/22/2023					
Potassium	3.39		0.500	mg/L		3.50			2.96	15
Sodium	27		1	mg/L		28			1.62	15
Calcium	40.6		0.1	mg/L		42.0			3.54	15
Magnesium	55.2		0.1	mg/L		57.2			3.45	15
Matrix Spike (BEH0945-MS1)		**Source: 23H1598-01**			Prepared: 8/18/2023 Analyzed: 8/22/2023					
Sodium	71		1	mg/L	35.71	28	120	90-110		
Calcium	85.2		0.1	mg/L	35.71	42.0	121	90-110		
Potassium	44.4		0.500	mg/L	35.71	3.50	114	90-110		
Magnesium	98.8		0.1	mg/L	35.71	57.2	117	90-110		
Matrix Spike (BEH0945-MS2)		**Source: 23H1716-03**			Prepared: 8/18/2023 Analyzed: 8/22/2023					
Sodium	112		1	mg/L	35.71	71	115	90-110		
Potassium	37.6		0.500	mg/L	35.71	0.407	104	90-110		
Calcium	40.1		0.1	mg/L	35.71	2.1	106	90-110		
Magnesium	37.3		0.1	mg/L	35.71	ND	104	90-110		
Reference (BEH0945-SRM2)					Prepared: 8/18/2023 Analyzed: 8/22/2023					
Sodium	100			mg/L	91.50		109	90-110		

DELLAVALLE™
LABORATORY INC

Antonio Garcia Dairy
6571 Fargo Ave
Hanford, CA 93230-9421

Account# 00-0015887
Account Manager: Ben Nydam
Submitted By: Antonio/Mary Garcia

Received: 08/18/2023 12:14
Reported: 08/24/2023 16:21

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0945 (Continued)										
Reference (BEH0945-SRM2)					Prepared: 8/18/2023 Analyzed: 8/22/2023					
Potassium	20.6			mg/L	21.90		94.2	90-110		
Reference (BEH0945-SRM3)					Prepared: 8/18/2023 Analyzed: 8/22/2023					
Calcium	49.4			mg/L	45.90		108	90-110		
Magnesium	37.5			mg/L	35.60		105	90-110		

DELLAVALLE™
LABORATORY INC

Antonio Garcia Dairy
6571 Fargo Ave
Hanford, CA 93230-9421

Account# 00-0015887
Account Manager: Ben Nydam
Submitted By: Antonio/Mary Garcia

Received: 08/18/2023 12:14
Reported: 08/24/2023 16:21

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0949										
Blank (BEH0949-BLK1)					Prepared: 8/18/2023 Analyzed: 8/22/2023					
Electrical Conductivity	ND		0.01	mmhos/cm						
Carbonate as CaCO3	ND		1	mg/L						
Hydroxide as CaCO3	ND		1.00	mg/L						
pH	5.1		1.0	units						
Alkalinity as CaCO3	ND		10.0	mg/L						
Bicarbonate as CaCO3	ND		5.00	mg/L						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Blank (BEH0949-BLK2)					Prepared: 8/18/2023 Analyzed: 8/22/2023					
Electrical Conductivity	ND		0.01	mmhos/cm						
pH	5.2		1.0	units						
Alkalinity as CaCO3	ND		10.0	mg/L						
Carbonate as CaCO3	ND		1	mg/L						
Hydroxide as CaCO3	ND		1.00	mg/L						
Bicarbonate as CaCO3	ND		5.00	mg/L						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Blank (BEH0949-BLK3)					Prepared: 8/18/2023 Analyzed: 8/22/2023					
Carbonate as CaCO3	ND		1	mg/L						
pH	5.2		1.0	units						
Electrical Conductivity	ND		0.01	mmhos/cm						
Hydroxide as CaCO3	ND		1.00	mg/L						
Alkalinity as CaCO3	ND		10.0	mg/L						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Bicarbonate as CaCO3	ND		5.00	mg/L						
Duplicate (BEH0949-DUP1)		**Source: 23H1598-01**			Prepared: 8/18/2023 Analyzed: 8/22/2023					
pH	7.8		1.0	units		7.8			0.385	10
Alkalinity as CaCO3	276		10.0	mg/L		276			0.272	10
Electrical Conductivity	0.70		0.01	mmhos/cm		0.70			0.230	10
Hydroxide as CaCO3	ND		1.00	mg/L		ND				10
Carbonate as CaCO3	ND		1	mg/L		ND				10
Electrical Conductivity umhos	697		10.0	umhos/cm		695			0.230	10
Duplicate (BEH0949-DUP2)		**Source: 23H1715-01**			Prepared: 8/18/2023 Analyzed: 8/22/2023					
Hydroxide as CaCO3	ND		1.00	mg/L		ND				10
pH	8.0		1.0	units		8.0			0.125	10
Electrical Conductivity	0.74		0.01	mmhos/cm		0.73			1.29	10
Carbonate as CaCO3	ND		1	mg/L		ND				10
Alkalinity as CaCO3	149		10.0	mg/L		148			0.921	10
Electrical Conductivity umhos	740		10.0	umhos/cm		730			1.29	10
Reference (BEH0949-SRM1)					Prepared: 8/18/2023 Analyzed: 8/22/2023					

DELLAVALLE™
LABORATORY INC

Antonio Garcia Dairy
6571 Fargo Ave
Hanford, CA 93230-9421

Account# 00-0015887
Account Manager: Ben Nydam
Submitted By: Antonio/Mary Garcia

Received: 08/18/2023 12:14
Reported: 08/24/2023 16:21

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0949 (Continued)										
Reference (BEH0949-SRM1)					Prepared: 8/18/2023 Analyzed: 8/22/2023					
Alkalinity as CaCO3	40.3			mg/L	40.60		99.4	90-110		
Electrical Conductivity	516			umhos/cm	538.0		96.0	90-110		
Reference (BEH0949-SRM2)					Prepared: 8/18/2023 Analyzed: 8/22/2023					
Electrical Conductivity	539			umhos/cm	538.0		100	90-110		
Alkalinity as CaCO3	41.0			mg/L	40.60		101	90-110		
Reference (BEH0949-SRM3)					Prepared: 8/18/2023 Analyzed: 8/22/2023					
Alkalinity as CaCO3	41.3			mg/L	40.60		102	90-110		
Electrical Conductivity	553			umhos/cm	538.0		103	90-110		
Reference (BEH0949-SRM4)					Prepared: 8/18/2023 Analyzed: 8/22/2023					
pH	4.0			units	4.000		100	97.5-102.5		
Reference (BEH0949-SRM5)					Prepared: 8/18/2023 Analyzed: 8/22/2023					
pH	4.0			units	4.000		101	97.5-102.5		
Reference (BEH0949-SRM6)					Prepared: 8/18/2023 Analyzed: 8/22/2023					
pH	4.1			units	4.000		102	97.5-102.5		
Reference (BEH0949-SRM7)					Prepared: 8/18/2023 Analyzed: 8/22/2023					
pH	5.9			units	5.820		102	28178-101.7		

DELLAVALLE™
LABORATORY INC

Antonio Garcia Dairy
6571 Fargo Ave
Hanford, CA 93230-9421

Account# 00-0015887
Account Manager: Ben Nydam
Submitted By: Antonio/Mary Garcia

Received: 08/18/2023 12:14
Reported: 08/24/2023 16:21

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0981										
Blank (BEH0981-BLK1)					Prepared: 8/21/2023 Analyzed: 8/23/2023					
Total Filterable Solids (TDS)	ND		10.0	mg/L						
LCS (BEH0981-BS1)					Prepared: 8/21/2023 Analyzed: 8/23/2023					
Total Filterable Solids (TDS)	32.5		10.0	mg/L	2000		1.62	0-200		
Duplicate (BEH0981-DUP1)		**Source: 23H1633-02**			Prepared: 8/21/2023 Analyzed: 8/23/2023					
Total Filterable Solids (TDS)	3550		10.0	mg/L		3280			7.80	10
Duplicate (BEH0981-DUP2)		**Source: 23H1667-02**			Prepared: 8/21/2023 Analyzed: 8/23/2023					
Total Filterable Solids (TDS)	950		10.0	mg/L		950			0.00	10
Reference (BEH0981-SRM1)					Prepared: 8/21/2023 Analyzed: 8/23/2023					
Total Filterable Solids (TDS)	330			mg/L	325.0		102	90-110		
Reference (BEH0981-SRM2)					Prepared: 8/21/2023 Analyzed: 8/23/2023					
Total Filterable Solids (TDS)	490			mg/L	495.0		99.0	90-110		

DELLAVALLE™ LABORATORY INC

Antonio Garcia Dairy
6571 Fargo Ave
Hanford, CA 93230-9421

Account# 00-0015887
Account Manager: Ben Nydam
Submitted By: Antonio/Mary Garcia

Received: 08/18/2023 12:14
Reported: 08/24/2023 16:21

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH1052										
Blank (BEH1052-BLK1)					Prepared: 8/22/2023 Analyzed: 8/23/2023					
Kjeldahl Nitrogen (TKN), Total	ND		1.00	mg/L						
Total Nitrogen	ND		1.00	mg/L						
Blank (BEH1052-BLK2)					Prepared: 8/22/2023 Analyzed: 8/23/2023					
Kjeldahl Nitrogen (TKN), Total	ND		1.00	mg/L						
Total Nitrogen	ND		1.00	mg/L						
LCS (BEH1052-BS1)					Prepared: 8/22/2023 Analyzed: 8/23/2023					
Kjeldahl Nitrogen (TKN), Total	5.83		1.00	mg/L	5.709		102	90-110		
LCS (BEH1052-BS2)					Prepared: 8/22/2023 Analyzed: 8/23/2023					
Kjeldahl Nitrogen (TKN), Total	5.84		1.00	mg/L	5.709		102	90-110		
Duplicate (BEH1052-DUP1)		**Source: 23H1667-02**			Prepared: 8/22/2023 Analyzed: 8/23/2023					
Kjeldahl Nitrogen (TKN), Total	13.8		3.50	mg/L		13.6			1.92	10
Duplicate (BEH1052-DUP2)		**Source: 23H1712-02**			Prepared: 8/22/2023 Analyzed: 8/23/2023					
Kjeldahl Nitrogen (TKN), Total	ND		1.40	mg/L		ND				10
Matrix Spike (BEH1052-MS1)		**Source: 23H1667-02**			Prepared: 8/22/2023 Analyzed: 8/23/2023					
Kjeldahl Nitrogen (TKN), Total	24.8		3.50	mg/L	9.990	13.6	112	90-110		
Matrix Spike (BEH1052-MS2)		**Source: 23H1712-02**			Prepared: 8/22/2023 Analyzed: 8/23/2023					
Kjeldahl Nitrogen (TKN), Total	8.39		1.40	mg/L	7.992	ND	105	90-110		
Reference (BEH1052-SRM1)					Prepared: 8/22/2023 Analyzed: 8/23/2023					
Kjeldahl Nitrogen (TKN), Total	24.0			mg/L	23.80		101	90-110		

08/18/23 12:14 23H1712

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

JG

Purchase Order No

Bill To: 15887 Acct # | 08 Cons #

No. Samples: 3 No of Bottles:

Results Need By

Water Type: [ ] Drinking Water [ ] Wastewater
[✓] Ag Water [ ] Groundwater [ ] Monitoring Well

Name: Antonio Garcia Dairy

Other:

Address: 6571 Fargo Avenue

City: Hanford **State:** CA **Zip:** 93230

Telephone: **Fax:**

Cell/Email:

COPY TO: ariordan@fragservices.com

REQUESTED BY: Antonio/Mary Garcia

PROJECT:

CROP: IRRIGATION WELLS

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

( ) DWW1: EC, NO_3-N NH4-N Field Test
(1-1 Liter Plastic, Unpreserved) White Per Sample
(✓) DWW2: DWW1 Plus SO_4, CO_3, HCO_3, Cl, Ca, Mg, Na, TDS
(1-1 Liter Plastic, Unpreserved) White Per Sample
( ) DCW1: EC, NO_3-N, TKN, TN, TDS
(1-1 Liter Plastic, Unpreserved) White Per Sample
( ) DPW1: EC, NO_3-N, NH_4-N, TKN, TDS, TP, TK
(1-1 Liter Plastic, Unpreserved) White Per Sample
( ) DPW2: DPW1 Plus Ca, Mg, Na, HCO_3, CO_3, SO_4, Cl
(1-1 Liter Plastic, Unpreserved) White Per Sample
(✓) Other + TN

[X] Copy of Chain [X] QA/QC Documents
Sampled By: ANTONIO

	Description of Samples	Date Sampled	Time Sampled	Rec'd Temp °C	Field NH4-N PURGE ≥45min
1	IW CARDOZA	8/18/23	0741	1.1	
2	IW COELHO RANCH	↓	0753	0.6	↓
3	IW FARGO HOME		0808	-0.1	
4					
5					
6					
7					
8					
9					
10					

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

CHAIN OF CUSTODY

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First	Alex Riordan	F&R Ag Services	8/18/23 0900	8/18/23
Second				
Third				
Fourth	JS	DLL	8/18/23 12:14	

I guarantee that as the client, or on behalf of 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 liquidated damage fee of 2% per month (annually 24%) or $5.00 per month whichever is greater.

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

Invoicing Information:
Sampling hrs
Miles
Consulting

Shipping
$ In
$ Out

Amt Paid	Rec By	Check #	Date

Signature

Sample received in cooler with ice (coolant)
[ ] Yes [ ] No

08/18/23 12:14 23H1712

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

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

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

Samples Preserved with HNO_3 or H_2SO_4 were: ☐ Received Preserved ☒ Preserved Upon Receipt at Laboratory

Type of Container(s) Received		Sample Number 1	2	3	4	5	6	7	8	9	10
Sample Containers for Internal (DLI) Use *(Containers that go into the Lab)*											
Plastics	100 mL sterile plastic $Na_2S_2O_3$ (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO_3 (Red) Plastic										
	* pH Value										
	250 mL H_2SO_4 (Yellow) Plastic	1	1	1							
	* pH Value	<2	<2	<2							
	500 mL unpreserved (White) Plastic										
	1 L unpreserved (White) Plastic	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:										

pH Strips
Lot: 10BDH4501 Exp: Jan 2025

DELLAVALLE™
LABORATORY INC

Antonio Garcia Dairy
6571 Fargo Ave
Hanford, CA 93230-9421

Account# 00-0015887
Account Manager: Ben Nydam
Submitted By: Antonio/Mary Garcia

Received: 08/18/2023 12:14
Reported: 08/28/2023 13:17

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23H1715-01	Dom Well Dairy	Drinking Water	Antonio	Domestic Well	08/18/2023 7:30

Default Cooler Temperature on Receipt °C: -0.1
Containers Intact
COC/Labels Agree
Received On Ice

Notes and Definitions

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

Scott McFriedland

Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

DELLAVALLE™
LABORATORY INC

Antonio Garcia Dairy
6571 Fargo Ave
Hanford, CA 93230-9421

Account# 00-0015887
Account Manager: Ben Nydam
Submitted By: Antonio/Mary Garcia

Received: 08/18/2023 12:14
Reported: 08/28/2023 13:17

Sample Results

Sample: Dom Well Dairy
23H1715-01 (Water)

Sampled: 8/18/2023 7:30
Sampled By: Antonio

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO3	**148**	mg/L	10.0	1		08/22/23 13:21	SM 2320 B		BEH0949
Calcium	**57.9**	mg/L	0.1	1		08/22/23 12:56	EPA 200.7		BEH0945
Chloride	**41.5**	mg/L	0.2	1	250	08/18/23 20:18	EPA 300.0		BEH0943
Carbonate as CaCO3	ND	mg/L	1	1		08/22/23 13:21	SM 2320 B		BEH0949
Electrical Conductivity	**0.73**	mmhos/cm	0.01	1		08/22/23 13:21	SM 2510 B		BEH0949
Electrical Conductivity umhos	**730**	umhos/cm	10.0	1		08/22/23 13:21	SM 2510 B		BEH0949
Bicarbonate as CaCO3	**148**	mg/L	5.00	1		08/22/23 13:21	SM 2320 B		BEH0949
Potassium	**2.80**	mg/L	0.500	1		08/22/23 12:56	EPA 200.7		BEH0945
Magnesium	**9.8**	mg/L	0.1	1		08/22/23 12:56	EPA 200.7		BEH0945
Sodium	**87**	mg/L	1	1		08/22/23 12:56	EPA 200.7		BEH0945
Ammonia (as N)	*	mg/L	0.00	1		08/18/23 07:30	Field		BEH1304
Nitrate Nitrogen as NO3N	**15.3**	mg/L	0.1	1	10	08/18/23 20:18	EPA 300.0		BEH0943
Hydroxide as CaCO3	ND	mg/L	1.00	1		08/22/23 13:21	SM 2320 B		BEH0949
pH	**8.0**	units	1.0	1		08/22/23 13:21	SM 4500-H+	H	BEH0949
Sulfate (SO4)	**83.7**	mg/L	0.5	1	250	08/18/23 20:18	EPA 300.0		BEH0943
Total Filterable Solids (TDS)	**460**	mg/L	10.0	1		08/23/23 15:11	SM 2540 C		BEH0982

DELLAVALLE™ LABORATORY INC

Antonio Garcia Dairy
6571 Fargo Ave
Hanford, CA 93230-9421

Account# 00-0015887
Account Manager: Ben Nydam
Submitted By: Antonio/Mary Garcia

Received: 08/18/2023 12:14
Reported: 08/28/2023 13:17

Quality Control

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0943										
Blank (BEH0943-BLK1)					Prepared & Analyzed: 8/18/2023					
Chloride	ND		0.2	mg/L						
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Sulfate (SO4)	ND		0.5	mg/L						
Blank (BEH0943-BLK2)					Prepared & Analyzed: 8/18/2023					
Chloride	ND		0.2	mg/L						
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Sulfate (SO4)	ND		0.5	mg/L						
Blank (BEH0943-BLK3)					Prepared & Analyzed: 8/19/2023					
Chloride	ND		0.2	mg/L						
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Sulfate (SO4)	ND		0.5	mg/L						
Blank (BEH0943-BLK4)					Prepared & Analyzed: 8/19/2023					
Chloride	ND		0.2	mg/L						
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Sulfate (SO4)	ND		0.5	mg/L						
LCS (BEH0943-BS1)					Prepared & Analyzed: 8/18/2023					
Chloride	4.8		0.2	mg/L	5.000		95.8	90-110		
Nitrate Nitrogen as NO3N	4.9		0.1	mg/L	5.000		98.8	90-110		
Sulfate (SO4)	4.6		0.5	mg/L	5.000		91.8	90-110		
LCS (BEH0943-BS2)					Prepared & Analyzed: 8/19/2023					
Chloride	4.8		0.2	mg/L	5.000		95.4	90-110		
Nitrate Nitrogen as NO3N	4.9		0.1	mg/L	5.000		98.6	90-110		
Sulfate (SO4)	4.6		0.5	mg/L	5.000		91.7	90-110		
LCS (BEH0943-BS3)					Prepared & Analyzed: 8/19/2023					
Chloride	4.7		0.2	mg/L	5.000		94.5	90-110		
Nitrate Nitrogen as NO3N	4.9		0.1	mg/L	5.000		97.7	90-110		
Sulfate (SO4)	4.5		0.5	mg/L	5.000		90.3	90-110		
Duplicate (BEH0943-DUP1)		**Source: 23H1716-01**			Prepared & Analyzed: 8/18/2023					
Chloride	18.9		0.2	mg/L		18.7			0.830	10
Nitrate Nitrogen as NO3N	1.6		0.1	mg/L		1.5			1.23	10
Sulfate (SO4)	32.1		0.5	mg/L		31.7			1.10	10
Duplicate (BEH0943-DUP2)		**Source: 23H1716-07**			Prepared & Analyzed: 8/19/2023					
Chloride	16.8		0.2	mg/L		16.7			0.625	10
Nitrate Nitrogen as NO3N	0.2		0.1	mg/L		0.2			1.25	10
Sulfate (SO4)	30.5		0.5	mg/L		30.3			0.773	10

DELLAVALLE™
LABORATORY INC

Antonio Garcia Dairy
6571 Fargo Ave
Hanford, CA 93230-9421

Account# 00-0015887
Account Manager: Ben Nydam
Submitted By: Antonio/Mary Garcia

Received: 08/18/2023 12:14
Reported: 08/28/2023 13:17

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0943 (Continued)										
Duplicate (BEH0943-DUP3)		**Source: 23H1759-06**			Prepared & Analyzed: 8/19/2023					
Chloride	9.0		0.2	mg/L		9.0			0.266	10
Nitrate Nitrogen as NO3N	1.5		0.1	mg/L		1.5			0.334	10
Sulfate (SO4)	3.5		0.5	mg/L		3.5			0.254	10
Matrix Spike (BEH0943-MS1)		**Source: 23H1716-01**			Prepared & Analyzed: 8/18/2023					
Chloride	23.7		0.2	mg/L	5.000	18.7	100	90-110		
Nitrate Nitrogen as NO3N	6.6		0.1	mg/L	5.000	1.5	101	90-110		
Sulfate (SO4)	36.8		0.5	mg/L	5.000	31.7	101	90-110		
Matrix Spike (BEH0943-MS2)		**Source: 23H1716-07**			Prepared & Analyzed: 8/19/2023					
Chloride	21.7		0.2	mg/L	5.000	16.7	99.2	90-110		
Nitrate Nitrogen as NO3N	5.0		0.1	mg/L	5.000	0.2	96.3	90-110		
Sulfate (SO4)	35.2		0.5	mg/L	5.000	30.3	97.5	90-110		
Matrix Spike (BEH0943-MS3)		**Source: 23H1759-06**			Prepared & Analyzed: 8/19/2023					
Chloride	13.9		0.2	mg/L	5.000	9.0	98.4	90-110		
Nitrate Nitrogen as NO3N	6.5		0.1	mg/L	5.000	1.5	101	90-110		
Sulfate (SO4)	8.3		0.5	mg/L	5.000	3.5	95.1	90-110		
Reference (BEH0943-SRM1)					Prepared & Analyzed: 8/18/2023					
Chloride	12.2			mg/L	12.50		98.0	90-110		
Nitrate Nitrogen as NO3N	9.8			mg/L	10.00		98.3	90-110		
Sulfate (SO4)	9.4			mg/L	10.00		93.9	90-110		
Reference (BEH0943-SRM2)					Prepared & Analyzed: 8/18/2023					
Chloride	12.5			mg/L	12.50		99.8	90-110		
Nitrate Nitrogen as NO3N	10.0			mg/L	10.00		100	90-110		
Sulfate (SO4)	9.5			mg/L	10.00		95.3	90-110		
Reference (BEH0943-SRM3)					Prepared & Analyzed: 8/19/2023					
Chloride	12.5			mg/L	12.50		99.6	90-110		
Nitrate Nitrogen as NO3N	10.0			mg/L	10.00		99.9	90-110		
Sulfate (SO4)	9.5			mg/L	10.00		95.0	90-110		
Reference (BEH0943-SRM4)					Prepared & Analyzed: 8/19/2023					
Chloride	12.4			mg/L	12.50		99.1	90-110		
Nitrate Nitrogen as NO3N	9.9			mg/L	10.00		99.4	90-110		
Sulfate (SO4)	9.4			mg/L	10.00		94.4	90-110		

DELLAVALLE™ LABORATORY INC

Antonio Garcia Dairy
6571 Fargo Ave
Hanford, CA 93230-9421

Account# 00-0015887
Account Manager: Ben Nydam
Submitted By: Antonio/Mary Garcia

Received: 08/18/2023 12:14
Reported: 08/28/2023 13:17

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0945										
Blank (BEH0945-BLK1)					Prepared: 8/18/2023 Analyzed: 8/22/2023					
Sodium	ND		1	mg/L						
Potassium	ND		0.500	mg/L						
Calcium	ND		0.1	mg/L						
Magnesium	ND		0.1	mg/L						
Blank (BEH0945-BLK2)					Prepared: 8/18/2023 Analyzed: 8/22/2023					
Calcium	ND		0.1	mg/L						
Sodium	ND		1	mg/L						
Potassium	ND		0.500	mg/L						
Magnesium	ND		0.1	mg/L						
LCS (BEH0945-BS1)					Prepared: 8/18/2023 Analyzed: 8/22/2023					
Sodium	38		1	mg/L	35.71		107	90-110		
Potassium	37.3		0.500	mg/L	35.71		104	90-110		
Calcium	38.3		0.1	mg/L	35.71		107	90-110		
Magnesium	37.6		0.1	mg/L	35.71		105	90-110		
LCS (BEH0945-BS2)					Prepared: 8/18/2023 Analyzed: 8/22/2023					
Calcium	38.6		0.1	mg/L	35.71		108	90-110		
Potassium	38.0		0.500	mg/L	35.71		106	90-110		
Sodium	39		1	mg/L	35.71		110	90-110		
Magnesium	37.8		0.1	mg/L	35.71		106	90-110		
Duplicate (BEH0945-DUP1)		**Source: 23H1598-01**			Prepared: 8/18/2023 Analyzed: 8/22/2023					
Calcium	40.6		0.1	mg/L		42.0			3.54	15
Sodium	27		1	mg/L		28			1.62	15
Potassium	3.39		0.500	mg/L		3.50			2.96	15
Magnesium	55.2		0.1	mg/L		57.2			3.45	15
Matrix Spike (BEH0945-MS1)		**Source: 23H1598-01**			Prepared: 8/18/2023 Analyzed: 8/22/2023					
Calcium	85.2		0.1	mg/L	35.71	42.0	121	90-110		
Sodium	71		1	mg/L	35.71	28	120	90-110		
Potassium	44.4		0.500	mg/L	35.71	3.50	114	90-110		
Magnesium	98.8		0.1	mg/L	35.71	57.2	117	90-110		
Matrix Spike (BEH0945-MS2)		**Source: 23H1716-03**			Prepared: 8/18/2023 Analyzed: 8/22/2023					
Potassium	37.6		0.500	mg/L	35.71	0.407	104	90-110		
Calcium	40.1		0.1	mg/L	35.71	2.1	106	90-110		
Sodium	112		1	mg/L	35.71	71	115	90-110		
Magnesium	37.3		0.1	mg/L	35.71	ND	104	90-110		
Reference (BEH0945-SRM2)					Prepared: 8/18/2023 Analyzed: 8/22/2023					
Potassium	20.6			mg/L	21.90		94.2	90-110		

DELLAVALLE™
LABORATORY INC

Antonio Garcia Dairy
6571 Fargo Ave
Hanford, CA 93230-9421

Account# 00-0015887
Account Manager: Ben Nydam
Submitted By: Antonio/Mary Garcia

Received: 08/18/2023 12:14
Reported: 08/28/2023 13:17

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0945 (Continued)										
Reference (BEH0945-SRM2)					Prepared: 8/18/2023 Analyzed: 8/22/2023					
Sodium	100			mg/L	91.50		109	90-110		
Reference (BEH0945-SRM3)					Prepared: 8/18/2023 Analyzed: 8/22/2023					
Calcium	49.4			mg/L	45.90		108	90-110		
Magnesium	37.5			mg/L	35.60		105	90-110		

DELLAVALLE™
LABORATORY INC

Antonio Garcia Dairy
6571 Fargo Ave
Hanford, CA 93230-9421

Account# 00-0015887
Account Manager: Ben Nydam
Submitted By: Antonio/Mary Garcia

Received: 08/18/2023 12:14
Reported: 08/28/2023 13:17

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0949										
Blank (BEH0949-BLK1)					Prepared: 8/18/2023 Analyzed: 8/22/2023					
Electrical Conductivity	ND		0.01	mmhos/cm						
Hydroxide as CaCO3	ND		1.00	mg/L						
Alkalinity as CaCO3	ND		10.0	mg/L						
pH	5.1		1.0	units						
Carbonate as CaCO3	ND		1	mg/L						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Bicarbonate as CaCO3	ND		5.00	mg/L						
Blank (BEH0949-BLK2)					Prepared: 8/18/2023 Analyzed: 8/22/2023					
Electrical Conductivity	ND		0.01	mmhos/cm						
Hydroxide as CaCO3	ND		1.00	mg/L						
pH	5.2		1.0	units						
Carbonate as CaCO3	ND		1	mg/L						
Alkalinity as CaCO3	ND		10.0	mg/L						
Bicarbonate as CaCO3	ND		5.00	mg/L						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Blank (BEH0949-BLK3)					Prepared: 8/18/2023 Analyzed: 8/22/2023					
Carbonate as CaCO3	ND		1	mg/L						
Hydroxide as CaCO3	ND		1.00	mg/L						
pH	5.2		1.0	units						
Electrical Conductivity	ND		0.01	mmhos/cm						
Alkalinity as CaCO3	ND		10.0	mg/L						
Bicarbonate as CaCO3	ND		5.00	mg/L						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Duplicate (BEH0949-DUP1)			**Source: 23H1598-01**		Prepared: 8/18/2023 Analyzed: 8/22/2023					
pH	7.8		1.0	units		7.8			0.385	10
Hydroxide as CaCO3	ND		1.00	mg/L		ND				10
Carbonate as CaCO3	ND		1	mg/L		ND				10
Alkalinity as CaCO3	276		10.0	mg/L		276			0.272	10
Electrical Conductivity	0.70		0.01	mmhos/cm		0.70			0.230	10
Electrical Conductivity umhos	697		10.0	umhos/cm		695			0.230	10
Duplicate (BEH0949-DUP2)			**Source: 23H1715-01**		Prepared: 8/18/2023 Analyzed: 8/22/2023					
Alkalinity as CaCO3	149		10.0	mg/L		148			0.921	10
Electrical Conductivity	0.74		0.01	mmhos/cm		0.73			1.29	10
pH	8.0		1.0	units		8.0			0.125	10
Hydroxide as CaCO3	ND		1.00	mg/L		ND				10
Carbonate as CaCO3	ND		1	mg/L		ND				10
Electrical Conductivity umhos	740		10.0	umhos/cm		730			1.29	10
Reference (BEH0949-SRM1)					Prepared: 8/18/2023 Analyzed: 8/22/2023					

DELLAVALLE™
LABORATORY INC

Antonio Garcia Dairy
6571 Fargo Ave
Hanford, CA 93230-9421

Account# 00-0015887
Account Manager: Ben Nydam
Submitted By: Antonio/Mary Garcia

Received: 08/18/2023 12:14
Reported: 08/28/2023 13:17

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0949 (Continued)										
Reference (BEH0949-SRM1)					Prepared: 8/18/2023 Analyzed: 8/22/2023					
Electrical Conductivity	516			umhos/cm	538.0		96.0	90-110		
Alkalinity as CaCO3	40.3			mg/L	40.60		99.4	90-110		
Reference (BEH0949-SRM2)					Prepared: 8/18/2023 Analyzed: 8/22/2023					
Alkalinity as CaCO3	41.0			mg/L	40.60		101	90-110		
Electrical Conductivity	539			umhos/cm	538.0		100	90-110		
Reference (BEH0949-SRM3)					Prepared: 8/18/2023 Analyzed: 8/22/2023					
Alkalinity as CaCO3	41.3			mg/L	40.60		102	90-110		
Electrical Conductivity	553			umhos/cm	538.0		103	90-110		
Reference (BEH0949-SRM4)					Prepared: 8/18/2023 Analyzed: 8/22/2023					
pH	4.0			units	4.000		100	97.5-102.5		
Reference (BEH0949-SRM5)					Prepared: 8/18/2023 Analyzed: 8/22/2023					
pH	4.0			units	4.000		101	97.5-102.5		
Reference (BEH0949-SRM6)					Prepared: 8/18/2023 Analyzed: 8/22/2023					
pH	4.1			units	4.000		102	97.5-102.5		
Reference (BEH0949-SRM7)					Prepared: 8/18/2023 Analyzed: 8/22/2023					
pH	5.9			units	5.820		102	28178-101.7		

DELLAVALLE™
LABORATORY INC

Antonio Garcia Dairy
6571 Fargo Ave
Hanford, CA 93230-9421

Account# 00-0015887
Account Manager: Ben Nydam
Submitted By: Antonio/Mary Garcia

Received: 08/18/2023 12:14
Reported: 08/28/2023 13:17

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0982										
Blank (BEH0982-BLK1)					Prepared: 8/21/2023 Analyzed: 8/23/2023					
Total Filterable Solids (TDS)	ND		10.0	mg/L						
LCS (BEH0982-BS1)					Prepared: 8/21/2023 Analyzed: 8/23/2023					
Total Filterable Solids (TDS)	32.5		10.0	mg/L	2000		1.62	0-200		
Duplicate (BEH0982-DUP1)		**Source: 23H1716-02**			Prepared: 8/21/2023 Analyzed: 8/23/2023					
Total Filterable Solids (TDS)	860		10.0	mg/L		860			0.00	10
Duplicate (BEH0982-DUP2)		**Source: 23H1717-04**			Prepared: 8/21/2023 Analyzed: 8/23/2023					
Total Filterable Solids (TDS)	1050		10.0	mg/L		1030			1.92	10
Reference (BEH0982-SRM1)					Prepared: 8/21/2023 Analyzed: 8/23/2023					
Total Filterable Solids (TDS)	323			mg/L	325.0		99.5	90-110		
Reference (BEH0982-SRM2)					Prepared: 8/21/2023 Analyzed: 8/23/2023					
Total Filterable Solids (TDS)	500			mg/L	495.0		101	90-110		

08/18/23 12:14 23H1715

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

Purchase Order No

Bill To: 15887 Acct # | 08 Cons # JG

No. Samples: 1 No of Bottles: 1

Results Need By

Water Type: [✓] Drinking Water [ ] Wastewater
[ ] Ag Water [ ] Groundwater [ ] Monitoring Well

Name: Antonio Garcia Dairy
Address: 6571 Fargo Avenue
City: Hanford **State:** CA **Zip:** 93230
Telephone: **Fax:**
Cell/Email:
COPY TO: ariordan@fragservices.com

REQUESTED BY: Antonio/Mary Garcia
PROJECT:
CROP: DOMESTIC WELL

[X] Copy of Chain [X] QA/QC Documents
Sampled By: ANTONIO

Other:

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

( ) DWW1: EC, NO_3-N NH4-N Field Test
(1-1 Liter Plastic, Unpreserved) White Per Sample
(✓) DWW2: DWW1 Plus SO_4, CO_3, HCO_3, Cl, Ca, Mg, Na, TDS
(1-1 Liter Plastic, Unpreserved) White Per Sample
( ) DCW1: EC, NO_3-N, TKN, TN, TDS
(1-1 Liter Plastic, Unpreserved) White Per Sample
( ) DPW1: EC, NO_3-N, NH_4-N, TKN, TDS, TP, TK
(1-1 Liter Plastic, Unpreserved) White Per Sample
( ) DPW2: DPW1 Plus Ca, Mg, Na, HCO_3, CO_3, SO_4, Cl
(1-1 Liter Plastic, Unpreserved) White Per Sample
( ) Other

	Description of Samples	Date Sampled	Time Sampled	Rec'd Temp °C	Field NH4-N PURGE
1	1003 D 153 DOM WELL DAIRY	8/18/23	0730	-0.1	>30min
2					
3					
4					
5					
6					
7					
8					
9		Kara 8/21/23			
10		12:44 - left vm for Alex R.			8/22 12:22

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

- per Alex, OK & thx

CHAIN OF CUSTODY

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First	Alex Riordan	F&R Ag Services	8/18/23 0900	8/18/23
Second				
Third				
Fourth	Jes	DLI	8/18/23 12:14	

I guarantee that as the client, or on behalf of 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 liquidated damage fee of 2% per month (annually 24%) or $5.00 per month whichever is greater.
If payment is not made when due and a legitimate dispute exists concerning the product or services of Dellavalle Laboratory, Inc., it will be submitted to mediation under the Rules and Procedures of Creative Alternative to Litigation, Inc. (*cal*). If the dispute is not resolved in mediation, then the dispute will be submitted to binding arbitration through ***cal*** under its Rules and Procedures. The parties will equally bear the costs of mediation/arbitration. If, however, the mediator declares that no legitimate dispute exists, then debtor will pay all mediation and arbitration costs, and in the event of arbitration, reasonable attorneys' fees of Dellavalle Laboratory.

Invoicing Information:
Sampling hrs
Miles
Consulting

Shipping
$ In
$ Out

Amt Paid	Rec By	Check #	Date

Signature

Sample received in cooler with ice (coolant)
[ ] Yes [ ] No

08/18/23 12:14 23H1715

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

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

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

Samples Preserved with HNO_3 or H_2SO_4 were: ☐ Received Preserved ☐ Preserved Upon Receipt at Laboratory

Type of Container(s) Received		Sample Number 1	2	3	4	5	6	7	8	9	10
Sample Containers for Internal (DLI) Use *(Containers that go into the Lab)*											
Plastics	100 mL sterile plastic $Na_2S_2O_3$ (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO_3 (Red) Plastic										
	* pH Value										
	250 mL H_2SO_4 (Yellow) Plastic										
	* pH Value										
	500 mL unpreserved (White) Plastic										
	1 L unpreserved (White) Plastic										
	1 L unpreserved (BOD) (Purple) Plastic										
Special	500mL unpreserved (White) Glass										
	PO4-P Kit										
	Other:										
Sample Containers for Subcontracted ("Send Out") Analyses *(Containers that go in the Subcontract ("Send Out") Refrigerator)*											
Plastics	100 mL sterile plastic $Na_2S_2O_3$ (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO_3 (Red) Plastic										
	250 mL H_2SO_4 (Yellow) Plastic										
	500 mL HNO_3 (Red)										
	1 L unpreserved (White) Plastic										
	1 L unpreserved (BOD) (Purple) Plastic										
	1 L HNO_3 (Red)										
VOA Vials	40 mL VOA, $Na_2S_2O_3$ + MCAA (EPA531)										
	40 mL VOA, $Na_2S_2O_3$ (EPA547)										
	40mL AG VOA unpreserved (White) (Set of 3)										
	40 mL AG VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
	40mL VOA, H_3PO_4 (Set of 3)										
	40 mL VOA, HCl (Blue) (Set of 3)										
	40 mL VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
Glass	250 mL AG unpreserved (White)										
	250 mL AG H_2SO_4 (Yellow)										
	250 mL AG $Na_2S_2O_3$ (Green)										
	250 mL AG $Na_2S_2O_3$ + MCAA										
	500 mL glass unpreserved (White)										
	500 mL AG HCl (Blue)										
	1 L AG unpreserved (White)										
	1 L AG H_2SO_4 (Yellow)										
	1 L AG $Na_2S_2O_3$ (Green)										
	1 L AG HCl (Blue)										
Special	Cr^{6+} - 50mL Plastic w/Borate/HCO_3/CO_3										
	Cyanide - 500 mL NaOH										
	Asbestos - 1L P wrapped in foil (Set of 2)										
	Sulfide - 1 L **AG** or **P** NaOH + ZnAc										
	Chlorite/Bromate - 250 mL AG with EDA										
	HAA5 - 250mL AG Ammonium Chlorite										
	DO KIT										
	Other:										
	Other:										

DELLAVALLE™
LABORATORY INC

Antonio Garcia Dairy
6571 Fargo Ave
Hanford, CA 93230-9421

Account# 00-0015887
Account Manager: Ben Nydam
Submitted By: Antonio/Mary Garcia

Received: 08/18/2023 12:14
Reported: 08/24/2023 16:26

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23H1713-01	Canal	Ag Water	Antonio	Canal	08/18/2023 7:10

Default Cooler Temperature on Receipt °C: -0.6
Containers Intact
COC/Labels Agree
Received On Ice

Notes and Definitions

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

Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

DELLAVALLE™
LABORATORY INC

Antonio Garcia Dairy
6571 Fargo Ave
Hanford, CA 93230-9421

Account# 00-0015887
Account Manager: Ben Nydam
Submitted By: Antonio/Mary Garcia

Received: 08/18/2023 12:14
Reported: 08/24/2023 16:26

Sample Results

Sample: Canal
23H1713-01 (Water)

Sampled: 8/18/2023 7:10
Sampled By: Antonio

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.04**	mmhos/cm	0.01	1		08/21/23 16:25	SM 2510 B		BEH0950
Electrical Conductivity umhos	**40.6**	umhos/cm	10.0	1		08/21/23 16:25	SM 2510 B		BEH0950
Nitrate Nitrogen as NO3N	ND	mg/L	0.1	1	10	08/18/23 18:11	EPA 300.0		BEH0944
pH	**7.7**	units	1.0	1		08/21/23 16:25	SM 4500-H+	H	BEH0950
Total Filterable Solids (TDS)	**37.0**	mg/L	10.0	1		08/23/23 15:00	SM 2540 C		BEH0981
Temperature	**25.0**	°C	0.0	1		08/21/23 16:25	SM 2510 B		BEH0950
Kjeldahl Nitrogen (TKN), Total	ND	mg/L	1.00	1		08/23/23 15:33	SM 4500-NH3 C		BEH1052
Total Nitrogen	ND	mg/L	1.00	1		08/23/23 15:33	SM 4500-NH3 C		BEH1052

DELLAVALLE™
LABORATORY INC

Antonio Garcia Dairy
6571 Fargo Ave
Hanford, CA 93230-9421

Account# 00-0015887
Account Manager: Ben Nydam
Submitted By: Antonio/Mary Garcia

Received: 08/18/2023 12:14
Reported: 08/24/2023 16:26

Quality Control

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0944										
Blank (BEH0944-BLK1)					Prepared & Analyzed: 8/18/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Blank (BEH0944-BLK2)					Prepared & Analyzed: 8/18/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Blank (BEH0944-BLK3)					Prepared & Analyzed: 8/19/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Blank (BEH0944-BLK4)					Prepared & Analyzed: 8/19/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
LCS (BEH0944-BS1)					Prepared & Analyzed: 8/18/2023					
Nitrate Nitrogen as NO3N	5.1		0.1	mg/L	5.000		102	90-110		
LCS (BEH0944-BS2)					Prepared & Analyzed: 8/19/2023					
Nitrate Nitrogen as NO3N	5.2		0.1	mg/L	5.000		103	90-110		
LCS (BEH0944-BS3)					Prepared & Analyzed: 8/19/2023					
Nitrate Nitrogen as NO3N	5.1		0.1	mg/L	5.000		102	90-110		
Duplicate (BEH0944-DUP1)		**Source: 23H1712-02**			Prepared & Analyzed: 8/18/2023					
Nitrate Nitrogen as NO3N	0.06		0.1	mg/L		0.06			0.00	10
Duplicate (BEH0944-DUP2)		**Source: 23H1717-05**			Prepared & Analyzed: 8/19/2023					
Nitrate Nitrogen as NO3N	0.09		0.1	mg/L		0.08			3.47	10
Duplicate (BEH0944-DUP3)		**Source: 23H1758-01**			Prepared & Analyzed: 8/19/2023					
Nitrate Nitrogen as NO3N	1.7		0.1	mg/L		1.7			0.532	10
Matrix Spike (BEH0944-MS1)		**Source: 23H1712-02**			Prepared & Analyzed: 8/18/2023					
Nitrate Nitrogen as NO3N	5.1		0.1	mg/L	5.000	0.06	102	90-110		
Matrix Spike (BEH0944-MS2)		**Source: 23H1717-05**			Prepared & Analyzed: 8/19/2023					
Nitrate Nitrogen as NO3N	5.2		0.1	mg/L	5.000	0.08	101	90-110		
Matrix Spike (BEH0944-MS3)		**Source: 23H1758-01**			Prepared & Analyzed: 8/19/2023					
Nitrate Nitrogen as NO3N	6.9		0.1	mg/L	5.000	1.7	104	90-110		
Reference (BEH0944-SRM1)					Prepared & Analyzed: 8/18/2023					
Nitrate Nitrogen as NO3N	10.2			mg/L	10.00		102	90-110		
Reference (BEH0944-SRM2)					Prepared & Analyzed: 8/18/2023					
Nitrate Nitrogen as NO3N	10.4			mg/L	10.00		104	90-110		

DELLAVALLE™
LABORATORY INC

Antonio Garcia Dairy
6571 Fargo Ave
Hanford, CA 93230-9421

Account# 00-0015887
Account Manager: Ben Nydam
Submitted By: Antonio/Mary Garcia

Received: 08/18/2023 12:14
Reported: 08/24/2023 16:26

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0944 (Continued)										
Reference (BEH0944-SRM3)					Prepared & Analyzed: 8/19/2023					
Nitrate Nitrogen as NO3N	10.2			mg/L	10.00		102	90-110		
Reference (BEH0944-SRM4)					Prepared & Analyzed: 8/19/2023					
Nitrate Nitrogen as NO3N	10.2			mg/L	10.00		102	90-110		

DELLAVALLE™ LABORATORY INC

Antonio Garcia Dairy
6571 Fargo Ave
Hanford, CA 93230-9421

Account# 00-0015887
Account Manager: Ben Nydam
Submitted By: Antonio/Mary Garcia

Received: 08/18/2023 12:14
Reported: 08/24/2023 16:26

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0950										
Blank (BEH0950-BLK1)					Prepared: 8/18/2023 Analyzed: 8/21/2023					
Electrical Conductivity	ND		0.01	mmhos/cm						
pH	5.3		1.0	units						
Temperature	25.0		0.0	°C						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Blank (BEH0950-BLK2)					Prepared: 8/18/2023 Analyzed: 8/21/2023					
Electrical Conductivity	ND		0.01	mmhos/cm						
pH	7.6		1.0	units						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Temperature	25.0		0.0	°C						
Blank (BEH0950-BLK3)					Prepared: 8/18/2023 Analyzed: 8/21/2023					
Electrical Conductivity	ND		0.01	mmhos/cm						
pH	7.4		1.0	units						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Temperature	25.0		0.0	°C						
Duplicate (BEH0950-DUP1)		**Source: 23H1684-01**			Prepared: 8/18/2023 Analyzed: 8/21/2023					
Electrical Conductivity	0.15		0.01	mmhos/cm		0.15			0.781	10
pH	7.6		1.0	units		7.6			0.393	10
Electrical Conductivity umhos	153		10.0	umhos/cm		154			0.781	10
Duplicate (BEH0950-DUP2)		**Source: 23H1684-03**			Prepared: 8/18/2023 Analyzed: 8/21/2023					
Electrical Conductivity	0.39		0.01	mmhos/cm		0.40			0.761	10
pH	7.6		1.0	units		7.6			0.393	10
Electrical Conductivity umhos	392		10.0	umhos/cm		396			0.761	10
Reference (BEH0950-SRM1)					Prepared: 8/18/2023 Analyzed: 8/21/2023					
Electrical Conductivity	508			umhos/cm	538.0		94.5	90-110		
Reference (BEH0950-SRM2)					Prepared: 8/18/2023 Analyzed: 8/21/2023					
pH	5.8			units	5.820		99.8	28178-101.7		
Reference (BEH0950-SRM3)					Prepared: 8/18/2023 Analyzed: 8/21/2023					
Electrical Conductivity	958			umhos/cm	1000		95.8	90-110		
Electrical Conductivity umhos	958			umhos/cm	1000		95.8	90-110		
Reference (BEH0950-SRM4)					Prepared: 8/18/2023 Analyzed: 8/21/2023					
Electrical Conductivity	958			umhos/cm	1000		95.8	90-110		
Electrical Conductivity umhos	958			umhos/cm	1000		95.8	90-110		
Reference (BEH0950-SRM5)					Prepared: 8/18/2023 Analyzed: 8/21/2023					
Electrical Conductivity	969			umhos/cm	1000		96.9	90-110		

DELLAVALLE™
LABORATORY INC

Antonio Garcia Dairy
6571 Fargo Ave
Hanford, CA 93230-9421

Account# 00-0015887
Account Manager: Ben Nydam
Submitted By: Antonio/Mary Garcia

Received: 08/18/2023 12:14
Reported: 08/24/2023 16:26

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0950 (Continued)										
Reference (BEH0950-SRM5)					Prepared: 8/18/2023 Analyzed: 8/21/2023					
Electrical Conductivity umhos	969			umhos/cm	1000		96.9	90-110		
Reference (BEH0950-SRM6)					Prepared: 8/18/2023 Analyzed: 8/21/2023					
pH	4.0			units	4.000		100	97.5-102.5		
Reference (BEH0950-SRM7)					Prepared: 8/18/2023 Analyzed: 8/21/2023					
pH	4.0			units	4.000		100	97.5-102.5		
Reference (BEH0950-SRM8)					Prepared: 8/18/2023 Analyzed: 8/21/2023					
pH	4.0			units	4.000		100	97.5-102.5		

DELLAVALLE™
LABORATORY INC

Antonio Garcia Dairy
6571 Fargo Ave
Hanford, CA 93230-9421

Account# 00-0015887
Account Manager: Ben Nydam
Submitted By: Antonio/Mary Garcia

Received: 08/18/2023 12:14
Reported: 08/24/2023 16:26

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0981										
Blank (BEH0981-BLK1)					Prepared: 8/21/2023 Analyzed: 8/23/2023					
Total Filterable Solids (TDS)	ND		10.0	mg/L						
LCS (BEH0981-BS1)					Prepared: 8/21/2023 Analyzed: 8/23/2023					
Total Filterable Solids (TDS)	32.5		10.0	mg/L	2000		1.62	0-200		
Duplicate (BEH0981-DUP1)		**Source: 23H1633-02**			Prepared: 8/21/2023 Analyzed: 8/23/2023					
Total Filterable Solids (TDS)	3550		10.0	mg/L		3280			7.80	10
Duplicate (BEH0981-DUP2)		**Source: 23H1667-02**			Prepared: 8/21/2023 Analyzed: 8/23/2023					
Total Filterable Solids (TDS)	950		10.0	mg/L		950			0.00	10
Reference (BEH0981-SRM1)					Prepared: 8/21/2023 Analyzed: 8/23/2023					
Total Filterable Solids (TDS)	330			mg/L	325.0		102	90-110		
Reference (BEH0981-SRM2)					Prepared: 8/21/2023 Analyzed: 8/23/2023					
Total Filterable Solids (TDS)	490			mg/L	495.0		99.0	90-110		

DELLAVALLE™
LABORATORY INC

Antonio Garcia Dairy
6571 Fargo Ave
Hanford, CA 93230-9421

Account# 00-0015887
Account Manager: Ben Nydam
Submitted By: Antonio/Mary Garcia

Received: 08/18/2023 12:14
Reported: 08/24/2023 16:26

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH1052										
Blank (BEH1052-BLK1)					Prepared: 8/22/2023 Analyzed: 8/23/2023					
Kjeldahl Nitrogen (TKN), Total	ND		1.00	mg/L						
Total Nitrogen	ND		1.00	mg/L						
Blank (BEH1052-BLK2)					Prepared: 8/22/2023 Analyzed: 8/23/2023					
Kjeldahl Nitrogen (TKN), Total	ND		1.00	mg/L						
Total Nitrogen	ND		1.00	mg/L						
LCS (BEH1052-BS1)					Prepared: 8/22/2023 Analyzed: 8/23/2023					
Kjeldahl Nitrogen (TKN), Total	5.83		1.00	mg/L	5.709		102	90-110		
LCS (BEH1052-BS2)					Prepared: 8/22/2023 Analyzed: 8/23/2023					
Kjeldahl Nitrogen (TKN), Total	5.84		1.00	mg/L	5.709		102	90-110		
Duplicate (BEH1052-DUP1)		**Source: 23H1667-02**			Prepared: 8/22/2023 Analyzed: 8/23/2023					
Kjeldahl Nitrogen (TKN), Total	13.8		3.50	mg/L		13.6			1.92	10
Duplicate (BEH1052-DUP2)		**Source: 23H1712-02**			Prepared: 8/22/2023 Analyzed: 8/23/2023					
Kjeldahl Nitrogen (TKN), Total	ND		1.40	mg/L		ND				10
Matrix Spike (BEH1052-MS1)		**Source: 23H1667-02**			Prepared: 8/22/2023 Analyzed: 8/23/2023					
Kjeldahl Nitrogen (TKN), Total	24.8		3.50	mg/L	9.990	13.6	112	90-110		
Matrix Spike (BEH1052-MS2)		**Source: 23H1712-02**			Prepared: 8/22/2023 Analyzed: 8/23/2023					
Kjeldahl Nitrogen (TKN), Total	8.39		1.40	mg/L	7.992	ND	105	90-110		
Reference (BEH1052-SRM1)					Prepared: 8/22/2023 Analyzed: 8/23/2023					
Kjeldahl Nitrogen (TKN), Total	24.0			mg/L	23.80		101	90-110		

08/18/23 12:14 23H1713

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

Purchase Order No | Bill To: 15887 Acct # | 08 Cons # | SG

No. Samples: 1 | No of Bottles:

Results Need By

Water Type: [ ] Drinking Water [ ] Wastewater [✓] Ag Water [ ] Groundwater [ ] Monitoring Well

Name: Antonio Garcia Dairy
Address: 6571 Fargo Avenue
City: Hanford **State:** CA **Zip:** 93230
Telephone: **Fax:**
Cell/Email:
COPY TO: ariordan@fragservices.com

REQUESTED BY: Antonio/Mary Garcia
PROJECT:
CROP: CANAL

[X] Copy of Chain [X] QA/QC Documents
Sampled By: ANTONIO

Other:

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

( ) DWW1: EC, NO_3-N NH4-N Field Test
(1-1 Liter Plastic, Unpreserved) White Per Sample
( ) DWW2: DWW1 Plus SO_4, CO_3, HCO_3, Cl, Ca, Mg, Na, TDS
(1-1 Liter Plastic, Unpreserved) White Per Sample
(✓) DCW1: EC, NO_3-N, TKN, TN, TDS
(1-1 Liter Plastic, Unpreserved) White Per Sample
( ) DPW1: EC, NO_3-N, NH_4-N, TKN, TDS, TP, TK
(1-1 Liter Plastic, Unpreserved) White Per Sample
( ) DPW2: DPW1 Plus Ca, Mg, Na, HCO_3, CO_3, SO_4, Cl
(1-1 Liter Plastic, Unpreserved) White Per Sample
( ) Other

	Description of Samples	Date Sampled	Time Sampled	Rec'd Temp °C	Field NH_4-N
1	CANAL	8/18/23	0710	-0.6	
2					
3					
4					
5					
6					
7					
8					
9					
10					

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

CHAIN OF CUSTODY

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First	Alex Riordan	F&R Ag Services	8/18/23 0900	8/18/23
Second				
Third				
Fourth	JDS	DLL	8/18/23 12:14	

I guarantee that as the client or on behalf of 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 liquidated damage fee of 2% per month (annually 24%) or $5.00 per month whichever is greater.

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

Invoicing Information:
Sampling hrs
Miles
Consulting

Shipping
$ In
$ Out

Amt Paid	Rec By	Check #	Date

Signature

Sample received in cooler with ice (coolant)
[ ] Yes [ ] No

08/18/23 12:14 23H1713

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

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

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

Samples Preserved with HNO_3 or H_2SO_4 were: ☐ Received Preserved ☒ Preserved Upon Receipt at Laboratory

Type of Container(s) Received	Sample Number 1	2	3	4	5	6	7	8	9	10
Sample Containers for Internal (DLI) Use *(Containers that go into the Lab)*										
Plastics: 100 mL sterile plastic $Na_2S_2O_3$ (Green)										
Plastics: 250 mL unpreserved (White) Plastic										
Plastics: 250 mL HNO_3 (Red) Plastic										
Plastics: * pH Value										
Plastics: 250 mL H_2SO_4 (Yellow) Plastic	1									
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:**										
Special: **Other:**										

pH Strips
Lot: 10BDH4501 Exp: Jan 2025

08/18/23 12:14 23H1713

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

Purchase Order No | Bill To: 15887 Acct # | 08 Cons # | SG

No. Samples: 1 | No of Bottles:

Results Need By

Water Type: [ ] Drinking Water [ ] Wastewater [✓] Ag Water [ ] Groundwater [ ] Monitoring Well

Name: Antonio Garcia Dairy
Address: 6571 Fargo Avenue
City: Hanford **State:** CA **Zip:** 93230
Telephone: **Fax:**
Cell/Email:
COPY TO: ariordan@fragservices.com

REQUESTED BY: Antonio/Mary Garcia
PROJECT:
CROP: CANAL

[X] Copy of Chain [X] QA/QC Documents
Sampled By: ANTONIO

Other:

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

( ) DWW1: EC, NO_3-N NH4-N Field Test
(1-1 Liter Plastic, Unpreserved) White Per Sample
( ) DWW2: DWW1 Plus SO_4, CO_3, HCO_3, Cl, Ca, Mg, Na, TDS
(1-1 Liter Plastic, Unpreserved) White Per Sample
(✓) DCW1: EC, NO_3-N, TKN, TN, TDS
(1-1 Liter Plastic, Unpreserved) White Per Sample
( ) DPW1: EC, NO_3-N, NH_4-N, TKN, TDS, TP, TK
(1-1 Liter Plastic, Unpreserved) White Per Sample
( ) DPW2: DPW1 Plus Ca, Mg, Na, HCO_3, CO_3, SO_4, Cl
(1-1 Liter Plastic, Unpreserved) White Per Sample
( ) Other

	Description of Samples	Date Sampled	Time Sampled	Rec'd Temp °C	Field NH_4-N
1	CANAL	8/18/23	0710	-0.6	
2					
3					
4					
5					
6					
7					
8					
9					
10					

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

CHAIN OF CUSTODY

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First	Alex Riordan	F&R Ag Services	8/18/23 0900	8/18/23
Second				
Third				
Fourth	JDS	DLL	8/18/23 12:14	

I guarantee that as the client or on behalf of 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 liquidated damage fee of 2% per month (annually 24%) or $5.00 per month whichever is greater.

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

Invoicing Information:
Sampling hrs
Miles
Consulting

Shipping
$ In
$ Out

Amt Paid	Rec By	Check #	Date

Signature

Sample received in cooler with ice (coolant)
[ ] Yes [ ] No

08/18/23 12:14 23H1713

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

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

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

Samples Preserved with HNO_3 or H_2SO_4 were: ☐ Received Preserved ☒ Preserved Upon Receipt at Laboratory

Type of Container(s) Received	Sample Number 1	2	3	4	5	6	7	8	9	10
Sample Containers for Internal (DLI) Use *(Containers that go into the Lab)*										
Plastics: 100 mL sterile plastic $Na_2S_2O_3$ (Green)										
Plastics: 250 mL unpreserved (White) Plastic										
Plastics: 250 mL HNO_3 (Red) Plastic										
Plastics: * pH Value										
Plastics: 250 mL H_2SO_4 (Yellow) Plastic	1									
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:**										
Special: **Other:**										

pH Strips
Lot: 10BDH4501 Exp: Jan 2025

Annual REport 2023

Final Audit Report 2024-06-20

Created:	2024-06-20
By:	Angelique Costa (angelique.rocha@outlook.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAPZntEtYOPPRGuvepiPf_QaF7Yi_BEZbg

"Annual REport 2023" History

Document digitally presigned by DocuSign\, Inc. (enterprisesupport@docusign.com)
2024-06-20 - 3:28:57 PM GMT- IP address: 195.155.33.98

Document created by Angelique Costa (angelique.rocha@outlook.com)
2024-06-20 - 6:25:31 PM GMT- IP address: 195.155.33.98

Document emailed to crdairies@outlook.com for signature
2024-06-20 - 6:26:27 PM GMT

Email viewed by crdairies@outlook.com
2024-06-20 - 6:33:31 PM GMT- IP address: 195.155.33.98

Signer crdairies@outlook.com entered name at signing as Sergio Rocha
2024-06-20 - 6:33:56 PM GMT- IP address: 195.155.33.98

Document e-signed by Sergio Rocha (crdairies@outlook.com)
Signature Date: 2024-06-20 - 6:33:58 PM GMT - Time Source: server- IP address: 195.155.33.98

Agreement completed.
2024-06-20 - 6:33:58 PM GMT