

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: AJ Slenders Dairy

Physical address of dairy:

625 E Coleman AVE

Number and Street

Laton

Fresno

93242

City

County

Zip Code

Street and nearest cross street (if no address):

Date facility was originally placed in operation: 01/01/1975

Regional Water Quality Control Board Basin Plan designation: Tulare Basin

County Assessor Parcel Number(s) for dairy facility:

0055-0030-0019-0000 0055-0031-0019-0000

B. OPERATORS

Slenders, Andy

Operator name: Slenders, Andy

Telephone no.: (559) 923-1210

Landline

Cellular

625 E Coleman AVE

Laton

CA

93242

Mailing Address Number and Street

City

State

Zip Code

This operator is responsible for paying permit fees.

C. OWNERS

Slenders, Andy

Legal owner name: Slenders, Andy

Telephone no.: (559) 923-1210

Landline

Cellular

625 E Coleman AVE

Laton

CA

93242

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	1,012	110	450	350	150	0
Number under roof	0	0	0	0	0	0
Maximum number	1,012	110	450	350	150	0
Average number	1,012	110	450	350	150	0
Avg live weight (lbs)	1,200	1,300	1,000	800		

Predominant milk cow breed: HolsteinAverage milk production: 66 pounds per cow per day**B. MANURE GENERATED**Total manure excreted by the herd: 35,675.27 tons per reporting periodTotal nitrogen from manure: 436,853.17 lbs per reporting periodAfter ammonia losses (30% loss applied): 305,797.22 lbs per reporting periodTotal phosphorus from manure: 72,356.97 lbs per reporting periodTotal potassium from manure: 191,147.80 lbs per reporting periodTotal salt from manure: 501,794.70 lbs per reporting period**C. PROCESS WASTEWATER GENERATED**Process wastewater generated: 30,835,000 gallonsTotal nitrogen generated: 90,474.48 lbs

$$\begin{aligned}
 & 13,905,000 \text{ gallons applied} \\
 & + 16,930,000 \text{ gallons exported} \\
 & - 0 \text{ gallons imported} \\
 & = 30,835,000 \text{ gallons generated}
 \end{aligned}$$

Total phosphorus generated: 12,953.52 lbsTotal potassium generated: 64,769.56 lbsTotal salt generated: 455,182.00 lbs**D. FRESH WATER SOURCES**

Source Description	Type
Barn	Ground water
Canal	Surface water
House	Ground water

Annual Report - General Order No. R5-2007-0035*Reporting period 01/01/2023 to 12/31/2023.***E. SUBSURFACE (TILE) DRAINAGE SOURCES***No subsurface (tile) drainage sources entered.***F. NUTRIENT IMPORTS***No dry manure nutrient imports entered.**No process wastewater nutrient imports entered.**No commercial or other nutrient imports entered.***G. NUTRIENT EXPORTS**

Date	Material type	Quantity	Reporting basis	Moisture (%)	Density (lbs/cu ft)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
11/05/2023	Corral solids	3,000.00 <i>ton</i>	As-is	29.9		16,000.00	52,000.00	19,100.00		55.01

Date	Material type	Quantity	Kjeldahl-N (mg/L)	Ammonium-N (mg/L)	Ammonia-N (mg/L)	Nitrate-N (mg/L)	P (mg/L)	K (mg/L)	EC (μmhos/cm)	TDS (mg/L)
02/15/2023	Process wastewater	5,288,000.00 <i>gal</i>	299.67	67.51	0.00	0.00	41.81	252.98		1,402
05/25/2023	Process wastewater	6,242,000.00 <i>gal</i>	379.40	151.29	0.00	0.00	67.50	307.72		2,425
07/25/2023	Process wastewater	5,400,000.00 <i>gal</i>	414.30	85.60	0.00	0.00	31.90	120.82		1,163

Material type	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Dry manure	96,000.00	312,000.00	114,600.00	2,313,720.60
Process wastewater	51,656.30	6,798.56	32,637.08	240,593.24
Total exports for all materials	147,656.30	318,798.56	147,237.08	2,554,313.84

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
Burris 1	39	39	0	none	X002-X100-X022-XXXX
Burris 2	39	39	0	none	X002-X100-X023-XXXX
Burris 3	36	36	0	none	X002-X100-X024-XXXX
Camden	43	43	0	none	X055-X270-X006-XXXX X055-X320-X012-XXXX X055-X320-X048-XXXX
Dennis Chamberlain Property	27	27	2	process wastewater	X055-X320-X039-XXXX
Harlan Ranch	95	95	0	none	X055-X260-X002-XXXX
Madera 1	320	320	0	none	X041-X212-X005-XXXX
Madera 2	160	160	0	none	X041-X212-X006-XXXX
Madera 3	162	162	0	none	X041-X212-X007-XXXX
Madera 4	158	158	0	none	X041-X221-X002-XXXX
Medeiros Piece	19	19	0	none	X055-X250-X004-XXXX
S-1	12	12	2	process wastewater	X055-X300-X019-XXXX
S-2	26	26	2	process wastewater	X055-X310-X019-XXXX
S-3	21	21	0	none	X055-X310-X019-XXXX
Totals for areas that were used for application	65	65	6		
Totals for areas that were not used for application	1,092	1,092	0		
Land application area totals	1,157	1,157	6		

B. CROPS AND HARVESTS

Dennis Chamberlain Property

Field name: Dennis Chamberlain Property

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

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

Dennis Chamberlain Property

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

Crop: Wheat, silage, boot stage Acres planted: 27 Plant date: 11/01/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/02/2023	605.70 ton	Dry-weight		63.3	23,200.00	3,400.00	27,400.00		9.77

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	16.00	256.00	44.80	192.00	0.00
Total actual harvest content	22.43	382.01	55.98	451.17	1,608.73

06/01/2023: Corn, silage

Crop: Corn, silage Acres planted: 27 Plant date: 06/01/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/25/2023	768.03 ton	Dry-weight		70.2	14,500.00	3,600.00	21,500.00		8.22

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	224.00	42.00	184.80	0.00
Total actual harvest content	28.45	245.83	61.03	364.50	1,393.58

S-1

Field name: S-1

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

Crop: Wheat, silage, boot stage Acres planted: 12 Plant date: 11/01/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/16/2023	206.50 ton	Dry-weight		61.2	14,200.00	4,600.00	31,600.00		16.21

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	16.00	256.00	44.80	192.00	0.00
Total actual harvest content	17.21	189.62	61.43	421.98	2,164.63

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

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

S-1

06/01/2023: Corn, silage

Crop: Corn, silage Acres planted: 12 Plant date: 06/01/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/27/2023	328.30 <i>ton</i>	Dry-weight		70.6	16,200.00	3,500.00	19,500.00		8.66

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	224.00	42.00	184.80	0.00
Total actual harvest content	27.36	260.60	56.30	313.69	1,393.11

S-2Field name: S-2

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

Crop: Wheat, silage, boot stage Acres planted: 26 Plant date: 11/01/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/02/2023	414.02 <i>ton</i>	Dry-weight		60.9	13,500.00	3,200.00	27,400.00		10.13

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	16.00	256.00	44.80	192.00	0.00
Total actual harvest content	15.92	168.11	39.85	341.20	1,261.43

06/01/2023: Corn, silage

Crop: Corn, silage Acres planted: 26 Plant date: 06/01/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/25/2023	721.90 <i>ton</i>	Dry-weight		71.8	13,600.00	3,200.00	20,400.00		9.32

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	224.00	42.00	184.80	0.00
Total actual harvest content	27.77	212.97	50.11	319.46	1,459.48

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

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

NUTRIENT BUDGET**A. LAND APPLICATIONS**

Dennis Chamberlain Property - 11/01/2022: Wheat, silage, boot stage

Field name: Dennis Chamberlain PropertyCrop: Wheat, silage, boot stage Plant date: 11/01/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application			Precipitation 24 hours following
12/27/2022	Surface (irrigation)	No precipitation	No precipitation			No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	103.27	14.41	87.18	483.15	1,115,000.00 gal
Application event totals		103.27	14.41	87.18	483.15	
01/13/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	106.51	14.86	89.92	498.32	1,150,000.00 gal
Application event totals		106.51	14.86	89.92	498.32	
02/15/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	103.27	14.41	87.18	483.15	1,115,000.00 gal
Canal	Surface water	0.00	0.00	0.00	7.61	2,051,818.00 gal
Application event totals		103.27	14.41	87.18	490.76	
03/15/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	103.27	14.41	87.18	483.15	1,115,000.00 gal
Canal	Surface water	0.00	0.00	0.00	7.61	2,051,818.00 gal
Application event totals		103.27	14.41	87.18	490.76	

Dennis Chamberlain Property - 06/01/2023: Corn, silage

Field name: Dennis Chamberlain PropertyCrop: Corn, silage Plant date: 06/01/2023

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

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

Dennis Chamberlain Property - 06/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
06/28/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	13.54	3,651,818.00 gal
Application event totals		0.00	0.00	0.00	13.54	
07/08/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	161.24	28.69	130.77	1,030.57	1,375,000.00 gal
Canal	Surface water	0.00	0.00	0.00	13.54	3,651,818.00 gal
Application event totals		161.24	28.69	130.77	1,044.11	
07/18/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	13.54	3,651,818.00 gal
Application event totals		0.00	0.00	0.00	13.54	
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	0.00	0.00	0.00	13.54	3,651,818.00 gal
Application event totals		0.00	0.00	0.00	13.54	
08/08/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	13.54	3,651,818.00 gal
Application event totals		0.00	0.00	0.00	13.54	
08/18/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	161.24	28.69	130.77	1,030.57	1,375,000.00 gal
Canal	Surface water	0.00	0.00	0.00	13.54	3,651,818.00 gal
Application event totals		161.24	28.69	130.77	1,044.11	

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

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

Dennis Chamberlain Property - 06/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
08/28/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	13.54	3,651,818.00 gal
Application event totals		0.00	0.00	0.00	13.54	
09/08/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	13.54	3,651,818.00 gal
Application event totals		0.00	0.00	0.00	13.54	

S-1 - 11/01/2022: Wheat, silage, boot stage

Field name: S-1

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

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
12/28/2022	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	121.91	17.01	102.92	570.36	585,000.00 gal
Application event totals		121.91	17.01	102.92	570.36	
02/15/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	121.91	17.01	102.92	570.36	585,000.00 gal
Canal	Surface water	0.00	0.00	0.00	5.59	670,000.00 gal
Application event totals		121.91	17.01	102.92	575.95	
03/18/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	5.59	670,000.00 gal
Application event totals		0.00	0.00	0.00	5.59	

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

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

S-1 - 06/01/2023: Corn, silage

Field name: S-1

Crop: Corn, silage

Plant date: 06/01/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
06/30/2023	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
Canal	Surface water	0.00	0.00	0.00	14.77	1,770,000.00 gal
Application event totals		0.00	0.00	0.00	14.77	
07/10/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	14.77	1,770,000.00 gal
Application event totals		0.00	0.00	0.00	14.77	
07/20/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	154.35	27.46	125.19	986.54	585,000.00 gal
Canal	Surface water	0.00	0.00	0.00	14.77	1,770,000.00 gal
Application event totals		154.35	27.46	125.19	1,001.31	
07/30/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	14.77	1,770,000.00 gal
Application event totals		0.00	0.00	0.00	14.77	
08/10/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	154.35	27.46	125.19	986.54	585,000.00 gal
Canal	Surface water	0.00	0.00	0.00	14.77	1,770,000.00 gal
Application event totals		154.35	27.46	125.19	1,001.31	

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

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

S-1 - 06/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
08/20/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	14.77	1,770,000.00 gal
Application event totals		0.00	0.00	0.00	14.77	
08/30/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	14.77	1,770,000.00 gal
Application event totals		0.00	0.00	0.00	14.77	
09/10/2023	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
Canal	Surface water	0.00	0.00	0.00	14.77	1,770,000.00 gal
Application event totals		0.00	0.00	0.00	14.77	

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

Field name: S-2

Crop: Wheat, silage, boot stage

Plant date: 11/01/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
01/14/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	103.88	14.49	87.69	485.99	1,080,000.00 gal
Application event totals		103.88	14.49	87.69	485.99	
02/12/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	7.90	2,051,818.00 gal
Application event totals		0.00	0.00	0.00	7.90	

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

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

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

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
03/14/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	103.88	14.49	87.69	485.99	1,080,000.00 gal
Canal	Surface water	0.00	0.00	0.00	7.90	2,051,818.00 gal
Application event totals		103.88	14.49	87.69	493.89	

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

Field name: S-2

Crop: Corn, silage

Plant date: 06/01/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
06/28/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	11.75	3,051,818.00 gal
Application event totals		0.00	0.00	0.00	11.75	
07/08/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	131.51	23.40	106.67	840.60	1,080,000.00 gal
Canal	Surface water	0.00	0.00	0.00	11.75	3,051,818.00 gal
Application event totals		131.51	23.40	106.67	852.35	
07/18/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	11.75	3,051,818.00 gal
Application event totals		0.00	0.00	0.00	11.75	

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

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

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

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	0.00	0.00	0.00	11.75	3,051,818.00 gal
Application event totals		0.00	0.00	0.00	11.75	
08/08/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	131.51	23.40	106.67	840.60	1,080,000.00 gal
Canal	Surface water	0.00	0.00	0.00	11.75	3,051,818.00 gal
Application event totals		131.51	23.40	106.67	852.35	
08/18/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	11.75	3,051,818.00 gal
Application event totals		0.00	0.00	0.00	11.75	
08/28/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	11.75	3,051,818.00 gal
Application event totals		0.00	0.00	0.00	11.75	
09/08/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	11.75	3,051,818.00 gal
Application event totals		0.00	0.00	0.00	11.75	

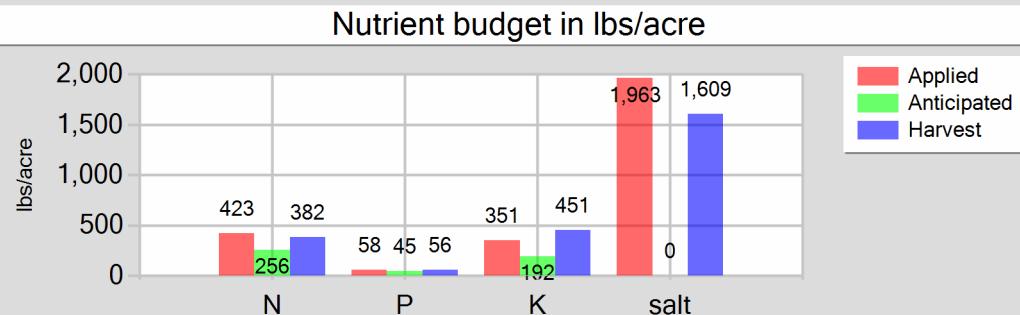
Annual Report - General Order No. R5-2007-0035

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

B. NUTRIENT BUDGET

Dennis Chamberlain Property - 11/01/2022: Wheat, silage, boot stage

Field name: Dennis Chamberlain Property Crop: Wheat, silage, boot stage Plant date: 11/01/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	416.33	58.09	351.46	1,947.78
Fresh water	0.00	0.00	0.00	15.22
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	423.33	58.09	351.46	1,963.00
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00
Actual crop nutrient removal	382.01	55.98	451.17	1,608.73
Nutrient balance	41.32	2.10	-99.71	354.27
Applied to removed ratio	1.11	1.04	0.78	1.22

Fresh water applied

4,103,636.00 *gallons*
151.12 *acre-inches*
5.60 *inches/acre*

Process wastewater applied

4,495,000.00 *gallons*
165.54 *acre-inches*
6.13 *inches/acre*

Total harvests for the crop

1 *harvests*

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

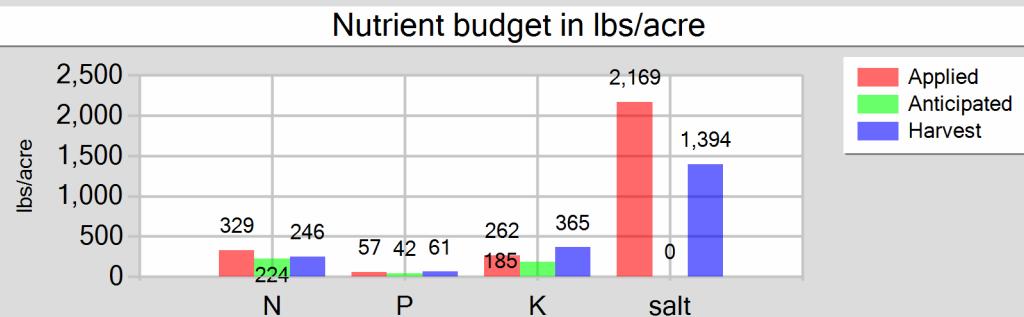
Reporting period 01/01/2023 to 12/31/2023.

Dennis Chamberlain Property - 06/01/2023: Corn, silage

Field name: Dennis Chamberlain Property

Crop: Corn, silage

Plant date: 06/01/2023



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	322.47	57.37	261.55	2,061.14
Fresh water	0.00	0.00	0.00	108.35
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	329.47	57.37	261.55	2,169.49
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	245.83	61.03	364.50	1,393.58
Nutrient balance	83.65	-3.66	-102.95	775.91
Applied to removed ratio	1.34	0.94	0.72	1.56

Fresh water applied

29,214,544.00 *gallons*
1,075.87 *acre-inches*
39.85 *inches/acre*

Process wastewater applied

2,750,000.00 *gallons*
101.27 *acre-inches*
3.75 *inches/acre*

Total harvests for the crop

1 *harvests*

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

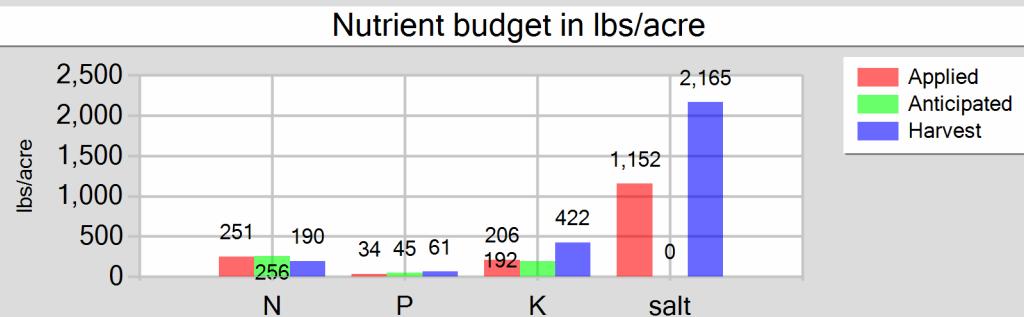
Reporting period 01/01/2023 to 12/31/2023.

S-1 - 11/01/2022: Wheat, silage, boot stage

Field name: S-1

Crop: Wheat, silage, boot stage

Plant date: 11/01/2022



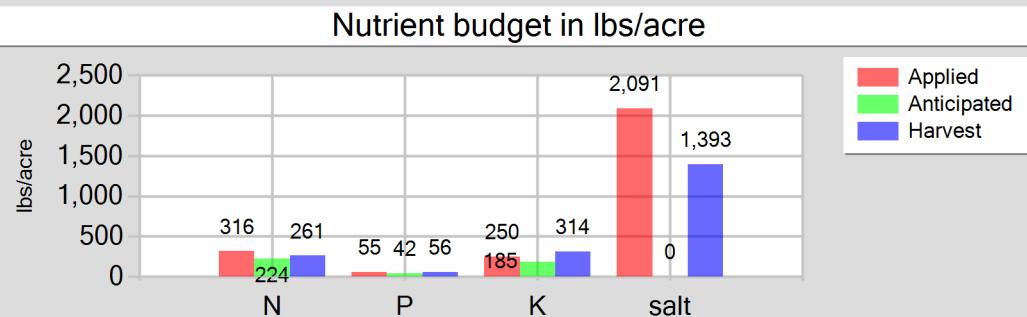
	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	1,340,000.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	49.35 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	4.11 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	243.82	34.02	205.83	1,140.72	Process wastewater applied
Fresh water	0.00	0.00	0.00	11.18	1,170,000.00 <i>gallons</i>
Atmospheric deposition	7.00	0.00	0.00	0.00	43.09 <i>acre-inches</i>
Total nutrients applied	250.82	34.02	205.83	1,151.90	3.59 <i>inches/acre</i>
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00	Total harvests for the crop
Actual crop nutrient removal	189.62	61.43	421.98	2,164.63	1 <i>harvests</i>
Nutrient balance	61.20	-27.41	-216.14	-1,012.73	
Applied to removed ratio	1.32	0.55	0.49	0.53	

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

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

S-1 - 06/01/2023: Corn, silage

Field name: S-1 Crop: Corn, silage Plant date: 06/01/2023



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	308.69	54.92	250.37	1,973.07
Fresh water	0.00	0.00	0.00	118.17
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	315.69	54.92	250.37	2,091.24
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	260.60	56.30	313.69	1,393.11
Nutrient balance	55.09	-1.38	-63.32	698.13
Applied to removed ratio	1.21	0.98	0.80	1.50

Fresh water applied

14,160,000.00 gallons
521.46 acre-inches
43.46 inches/acre

Process wastewater applied

1,170,000.00 gallons
43.09 acre-inches
3.59 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.

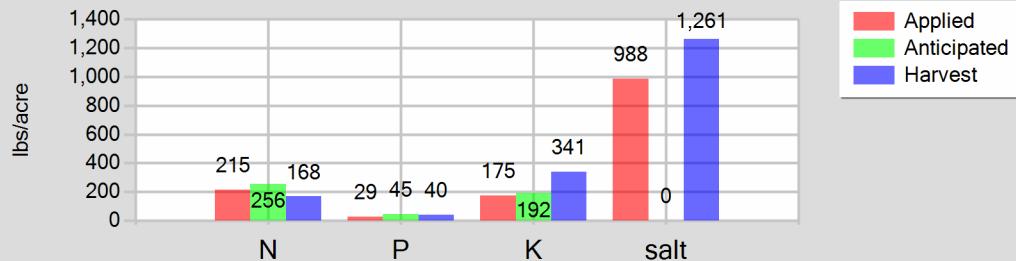
S-2 - 11/01/2022: Wheat, silage, boot stage

Field name: S-2

Crop: Wheat, silage, boot stage

Plant date: 11/01/2022

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	207.75	28.99	175.39	971.97
Fresh water	0.00	0.00	0.00	15.81
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	214.75	28.99	175.39	987.78
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00
Actual crop nutrient removal	168.11	39.85	341.20	1,261.43
Nutrient balance	46.65	-10.86	-165.81	-273.65
Applied to removed ratio	1.28	0.73	0.51	0.78

Fresh water applied

4,103,636.00 *gallons*
151.12 *acre-inches*
5.81 *inches/acre*

Process wastewater applied

2,160,000.00 *gallons*
79.55 *acre-inches*
3.06 *inches/acre*

Total harvests for the crop

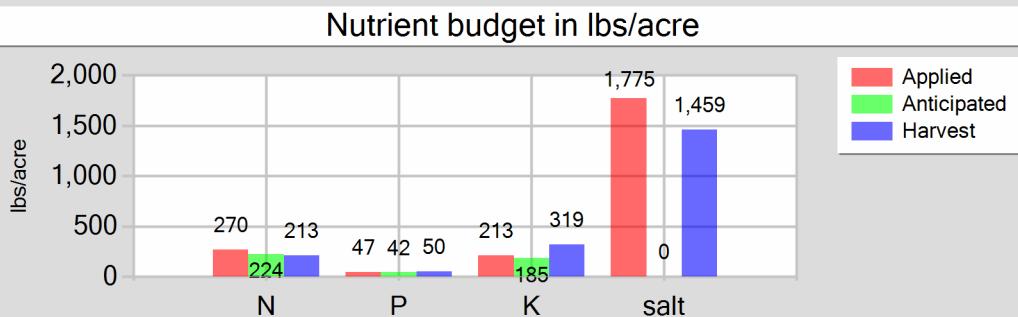
1 *harvests*

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

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

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

Field name: S-2 Crop: Corn, silage Plant date: 06/01/2023



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	263.03	46.80	213.34	1,681.20
Fresh water	0.00	0.00	0.00	94.03
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	270.03	46.80	213.34	1,775.23
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	212.97	50.11	319.46	1,459.48
Nutrient balance	57.06	-3.31	-106.12	315.75
Applied to removed ratio	1.27	0.93	0.67	1.22

Fresh water applied

24,414,544.00 gallons
899.10 acre-inches
34.58 inches/acre

Process wastewater applied

2,160,000.00 gallons
79.55 acre-inches
3.06 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.

NUTRIENT ANALYSES**A. MANURE ANALYSES****Dry Manure**Sample and source description: Dry ManureSample date: 06/09/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: Dry-weightMoisture: 33.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	11,600.00	5,400.00	24,000.00	20,300.00	6,800.00	7,600.00	4,200.00	731.37		44.22
DL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00		1.00

Dry ManureSample and source description: Dry ManureSample date: 10/27/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: Dry-weightMoisture: 29.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	16,000.00	52,000.00	19,100.00							55.01
DL	100.00	100.00	100.00							1.00

B. PROCESS WASTEWATER ANALYSES**1st Qtr WW**Sample and source description: 1st Qtr WWSample date: 02/03/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.61

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (μ mhos/cm)	TDS (mg/L)
Value	299.67	67.51	0.00	0.00	41.81	252.98								2,190.00	1,402
DL	67.00	0.57	0.01	0.01	0.64	0.01								1.00	19

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

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

2nd Qtr WW

Sample and source description: 2nd Qtr WW

Sample date: 06/09/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.81

	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 (μ mhos/cm)	TDS (mg/L)
Value	379.40	151.29	0.00	0.00	67.50	307.72	4.80	4.50	13.70	33.90	0.00	1.50	5.90	3,790.00	2,425
DL	67.00	0.57	0.01	0.01	0.64	0.01	0.02	0.01	0.01	0.10	0.10	0.02	0.01	1.00	19

3rd Qtr WW

Sample and source description: 3rd Qtr WW

Sample date: 09/13/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.24

	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 (μ mhos/cm)	TDS (mg/L)
Value	414.30	85.60	0.00	0.00	31.90	120.82								1,818.00	1,163
DL	67.00	0.57	0.01	0.01	0.64	0.01								1.00	19

4th Qtr WW

Sample and source description: 4th Qtr WW

Sample date: 12/08/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.49

	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 (μ mhos/cm)	TDS (mg/L)
Value	319.63	254.00	0.00	0.00	58.80	465.30								5,596.00	3,581
DL	67.00	0.57	0.01	0.01	0.64	0.01								1.00	19

C. FRESH WATER ANALYSES

Barn

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

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

Barn**Barn**Sample description: BarnSample date: 12/12/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	0.00										238.00	
DL	0.10										1.00	

Canal**Canal**Sample description: CanalSample date: 08/17/2023 Source of analysis: Lab analysis

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

House**House**Sample description: HouseSample date: 12/12/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	0.00										238.00	
DL	0.10										1.00	

D. SOIL ANALYSES

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

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

No soil analyses entered.

E. PLANT TISSUE ANALYSES

Dennis Chamberlain Property - 11/01/2022: Wheat, silage, boot stage

Chamberlain

Sample and source description: Chamberlain

Sample date: 05/02/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 63.3 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	23,200.00	3,400.00	27,400.00		9.77
DL	100.00	100.00	100.00		1.00

Dennis Chamberlain Property - 06/01/2023: Corn, silage

Dennis Chamberlain Property

Sample and source description: Dennis Chamberlain Property

Sample date: 09/25/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 70.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	14,500.00	3,600.00	21,500.00		8.22
DL	100.00	100.00	100.00		1.00

S-1 - 11/01/2022: Wheat, silage, boot stage

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

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

S-1 - 11/01/2022: Wheat, silage, boot stage

S-1

Sample and source description: S-1

Sample date: 05/16/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 61.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	14,200.00	4,600.00	31,600.00		16.21
DL	100.00	100.00	100.00		1.00

S-1 - 06/01/2023: Corn, silage

S-1

Sample and source description: S-1

Sample date: 09/25/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 70.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	16,200.00	3,500.00	19,500.00		8.66
DL	100.00	100.00	100.00		1.00

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

S-2

Sample and source description: S-2

Sample date: 05/02/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 60.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	13,500.00	3,200.00	27,400.00		10.13
DL	100.00	100.00	100.00		1.00

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

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

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

Dennis Chamberlain Property

Sample and source description: Dennis Chamberlain Property

Sample date: 09/25/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 71.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	13,600.00	3,200.00	20,400.00		9.32
DL	100.00	100.00	100.00		1.00

F. SUBSURFACE (TILE) DRAINAGE ANALYSES

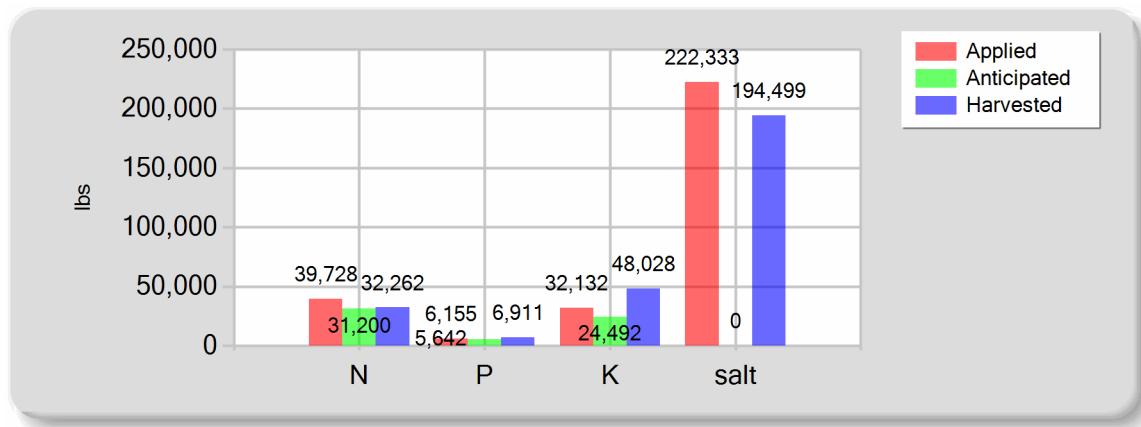
No subsurface (tile) drainage analyses entered.

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

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

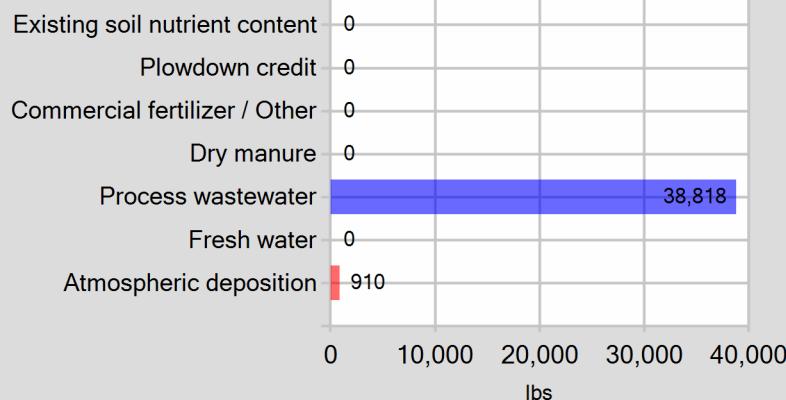
NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE**A. SUMMARY OF NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE**

	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	0.00	0.00	0.00	0.00
Process wastewater	38,818.18	6,154.97	32,132.47	214,588.75
Fresh water	0.00	0.00	0.00	7,744.46
Atmospheric deposition	910.00	0.00	0.00	0.00
Total nutrients applied	39,728.18	6,154.97	32,132.47	222,333.22
Anticipated crop nutrient removal	31,200.00	5,642.00	24,492.00	0.00
Actual crop nutrient removal	32,262.45	6,911.16	48,028.15	194,499.19
Nutrient balance	7,465.73	-756.20	-15,895.67	27,834.03
Applied to removed ratio	1.23	0.89	0.67	1.14

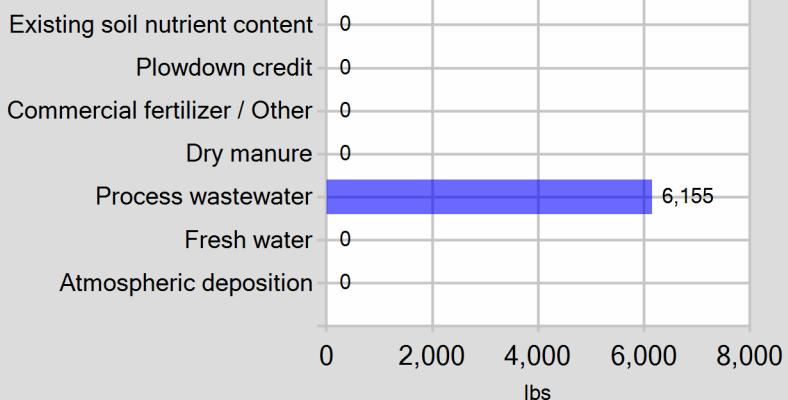
B. POUNDS OF NUTRIENT APPLIED VS. CROP REMOVAL

C. POUNDS OF NUTRIENT APPLIED BY MATERIAL TYPE

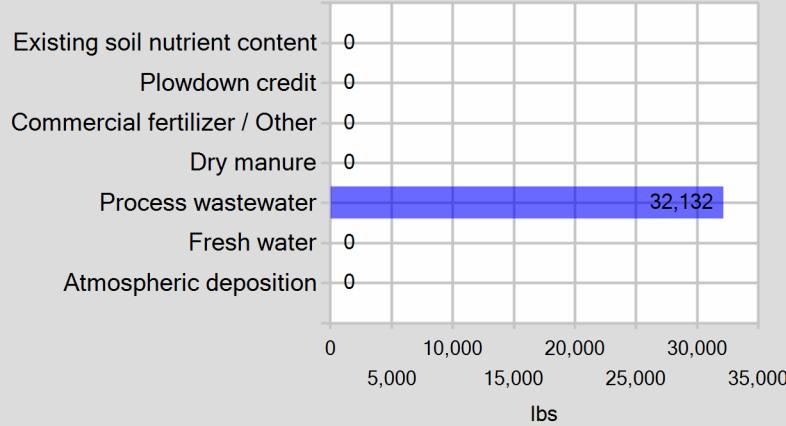
Pounds of nitrogen applied



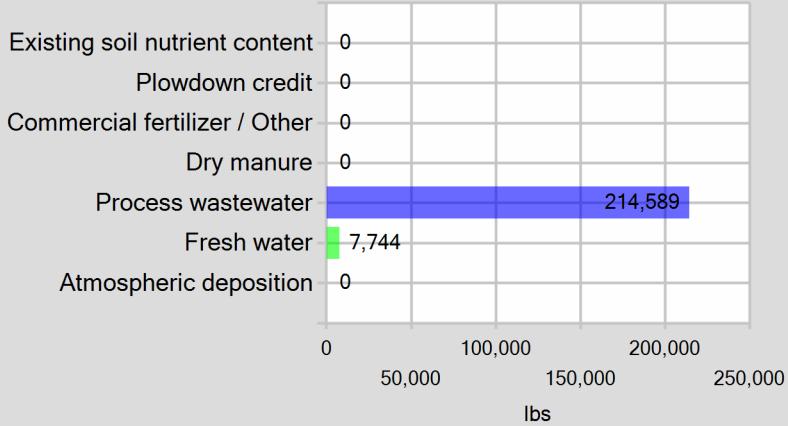
Pounds of phosphorus applied



Pounds of potassium applied



Pounds of salt applied



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

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

EXCEPTION REPORTING

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

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

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

B. STORM WATER DISCHARGES

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

No stormwater discharges occurred during the reporting period.

C. LAND APPLICATION AREA TO SURFACE WATER DISCHARGES

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

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

NUTRIENT MANAGEMENT PLAN AND EXPORT AGREEMENT STATEMENTS

A. NUTRIENT MANAGEMENT PLAN STATEMENTS

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

Was the facility's NMP developed by a certified nutrient management planner (specialist) as specified in Attachment C of the General Order? 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

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

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

ADDITIONAL NOTES

A. NOTES

All of the wells that were sampled came out negative for Ammonia which we tested onsite with a test strip .

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

Fields Burris 1-Burris 3

Madera 1-4

Medeiros Piece

Did not receive wastewater or dry manure in 2022.

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

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

CERTIFICATION

A. OWNER AND/OR OPERATOR CERTIFICATION

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

SIGNATURE OF OWNER OF FACILITY

Andy Slenders

PRINT OR TYPE NAME

SIGNATURE OF OPERATOR OF FACILITY

SAME AS OWNER

PRINT OR TYPE NAME

DATE

DATE

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

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

ATTACHMENTS

A. REQUIRED ATTACHMENTS

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

Annual Dairy Facility Assessment

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

Manure/Process Wastewater Tracking Manifests

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

Corrective Actions Documents

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

Groundwater Monitoring

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

Storm Water Monitoring

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

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.

A. Slenders

SIGNATURE OF OWNER OF FACILITY

Andy Slenders

PRINT OR TYPE NAME

6/28/24

DATE

A. Slenders

SIGNATURE OF OPERATOR OF FACILITY

SAME AS OWNER

PRINT OR TYPE NAME

6/28/24

DATE

Manure / Process Wastewater Tracking Manifest

For

Existing Milk Cow Dairies

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

MANURE AMOUNT HAULED

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

Manure: 3,000.00 tons

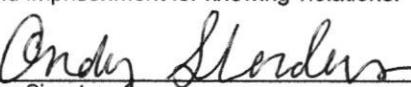
Manure Solids Content: 70.1 %

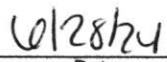
Method used to determine amount of manure:

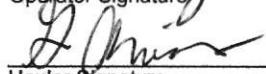
Weighted Average

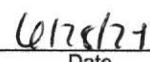
CERTIFICATION

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


Operator Signature


Date


Hauler Signature


Date

Manure / Process Wastewater Tracking Manifest

For

Existing Milk Cow Dairies

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

INSTRUCTIONS

- 1) Complete one manifest for each hauling event, for each destination. A hauling event may last for several days, as long as the manure is being hauled to the same destination.
 - 2) If there are multiple destinations, complete a separate form for each destination.
 - 3) The operator must obtain the signature of the hauler upon completion of each manure/process wastewater hauling event.
 - 4) The operator shall submit copies of manure/process wastewater tracking manifest(s) with the Annual Monitoring Report for Existing Milk Cow Dairies.

OPERATOR INFORMATION

Name of Operator: AJ Slenders

Name of Dairy Facility: AJ Slenders Dairy

Facility Address:

625 E Coleman AVE Number and Street	Laton City	Fresno County	93242 Zip Code
Contact Person Name and Phone Number:	AJ Slenders Name	(559) 273-9112 Phone Number	

PROCESS WASTEWATER HAULER INFORMATION

Name of Hauling Company/Person: Aj Slenders Dairy

Address of Hauling Company/Person:

625 Coleman AVE Number and Street	Laton City	CA State	93242 Zip Code
Contact Person: AJ Slenders Name	(559) 273-9112 Phone Number		

DESTINATION INFORMATION

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

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

Netto Ag (559) 585-2097
Name Phone Number

10044 Flint	Hanford	CA	93230
Address	City	State	Zip Code

Destination Address or Assessor's Parcel Number: 1000 20th Street, San Jose, CA 95113

Address	Eaton	55242
2G-1, 2G-2, 2G-3	City	Zip Code
Street and nearest cross street (if no address)	Fresno	County

Assessor's Parcel Number Assessor's Parcel Number County

Last date hauled: 07/25/2023

Manure / Process Wastewater Tracking Manifest

For

Existing Milk Cow Dairies

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

PROCESS WASTEWATER AMOUNT HAULED

Enter the amount of process wastewater hauled in gallons and the method used to determine the amount:

Process Wastewater: 5,400,000 gallons

Method used to determine volume of process wastewater:

GPM x runtime

WRITTEN AGREEMENT

Does the Operator have a written agreement (in compliance with Land Application Specification C.2 of Waste Discharge Requirements General Order No. R5-2007-0035) with any party that receives process wastewater from the Operator for its own use?

[X] YES [] NO

If the answer is no, the Operator agrees to have such a written agreement with any such party for any process wastewater transferred after 31 December 2007 to such party.

(Operator shall provide initials here to acknowledge this requirement)

CERTIFICATION

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


Operator Signature

6/28/24
Date


Hauler Signature

6/28/24
Date

Manure / Process Wastewater Tracking Manifest

For

Existing Milk Cow Dairies

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

INSTRUCTIONS

- 1) Complete one manifest for each hauling event, for each destination. A hauling event may last for several days, as long as the manure is being hauled to the same destination.
 - 2) If there are multiple destinations, complete a separate form for each destination.
 - 3) The operator must obtain the signature of the hauler upon completion of each manure/process wastewater hauling event.
 - 4) The operator shall submit copies of manure/process wastewater tracking manifest(s) with the Annual Monitoring Report for Existing Milk Cow Dairies.

OPERATOR INFORMATION

Name of Operator: AJ Slenders

Name of Dairy Facility: AJ Slenders Dairy

Facility Address:

625 E Coleman AVE Number and Street	Laton City	Fresno County	93242 Zip Code
--	---------------	------------------	-------------------

Contact Person Name and Phone Number: AJ Slenders (559) 273-9112
Name Phone Number

PROCESS WASTEWATER HAULER INFORMATION

Name of Hauling Company/Person: Aj Slenders Dairy

Address of Hauling Company/Person:

625 Coleman AVE Laton CA 93242
Number and Street City State Zip Code

Contact Person: AJ Slenders (559) 273-9112
Name Phone Number

DESTINATION INFORMATION

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

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

Netto Ag (559) 585-2097
Name Phone Number

10044 Flint	Hanford	CA	93230
Address	City	State	Zip Code

Destination Address or Assessor's Parcel Number:
Laton 93242

Assessor's Parcel Number County

Last date hauled: 05/25/2023

Manure / Process Wastewater Tracking Manifest

For

Existing Milk Cow Dairies

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

PROCESS WASTEWATER AMOUNT HAULED

Enter the amount of process wastewater hauled in gallons and the method used to determine the amount:

Process Wastewater: 6,242,000 gallons

Method used to determine volume of process wastewater:

GPM x runtime

WRITTEN AGREEMENT

Does the Operator have a written agreement (in compliance with Land Application Specification C.2 of Waste Discharge Requirements General Order No. R5-2007-0035) with any party that receives process wastewater from the Operator for its own use?

[X] YES [] NO

If the answer is no, the Operator agrees to have such a written agreement with any such party for any process wastewater transferred after 31 December 2007 to such party.

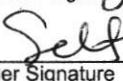
(Operator shall provide initials here to acknowledge this requirement)

CERTIFICATION

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


Operator Signature

01/28/24
Date


Hauler Signature

01/28/24
Date

Manure / Process Wastewater Tracking Manifest

For

Existing Milk Cow Dairies

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

INSTRUCTIONS

- 1) Complete one manifest for each hauling event, for each destination. A hauling event may last for several days, as long as the manure is being hauled to the same destination.
 - 2) If there are multiple destinations, complete a separate form for each destination.
 - 3) The operator must obtain the signature of the hauler upon completion of each manure/process wastewater hauling event.
 - 4) The operator shall submit copies of manure/process wastewater tracking manifest(s) with the Annual Monitoring Report for Existing Milk Cow Dairies.

OPERATOR INFORMATION

Name of Operator: AJ Slenders

Name of Dairy Facility: AJ Slenders Dairy

Facility Address:

625 E Coleman AVE Number and Street	Laton City	Fresno County	93242 Zip Code
--	---------------	------------------	-------------------

Contact Person Name and Phone Number: AJ Slenders (559) 273-9112
Name Phone Number

PROCESS WASTEWATER HAULER INFORMATION

Name of Hauling Company/Person: Aj Slenders Dairy

Address of Hauling Company/Person:

625 Coleman AVE Number and Street	Laton City	CA State	93242 Zip Code
--------------------------------------	---------------	-------------	-------------------

Contact Person: AJ Slenders (559) 273-9112
Name Phone Number

DESTINATION INFORMATION

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

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

Netto Ag (559) 585-2097
Name Phone Number

10044 Flint	Hanford	CA	93230
Address	City	State	Zip Code

Destination Address or Assessor's Parcel Number:
Laton 93242
Address City Zip Code

2G-1, 2G-2, 2G-3 Kings
Street and nearest cross street (if no address) County

Assessor's Parcel Number **Assessor's Parcel Number County**

Last date hauled: 02/15/2023

Manure / Process Wastewater Tracking Manifest

For

Existing Milk Cow Dairies

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

PROCESS WASTEWATER AMOUNT HAULED

Enter the amount of process wastewater hauled in gallons and the method used to determine the amount:

Process Wastewater: 5,288,000 gallons

Method used to determine volume of process wastewater:

GPM x runtime

WRITTEN AGREEMENT

Does the Operator have a written agreement (in compliance with Land Application Specification C.2 of Waste Discharge Requirements General Order No. R5-2007-0035) with any party that receives process wastewater from the Operator for its own use?

YES NO

If the answer is no, the Operator agrees to have such a written agreement with any such party for any process wastewater transferred after 31 December 2007 to such party.

(Operator shall provide initials here to acknowledge this requirement)

CERTIFICATION

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

Andy Slender
Operator Signature

6/28/24

Date

Self
Hauler Signature

6/28/24

Date



AJ Slenders
625 E Coleman
Laton, CA 93242

Account# 00-0018978
Account Manager: Ben Nydam
Submitted By: Christina Mederios

Received: 12/13/2023 7:00
Reported: 12/21/2023 08:24

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23L0640-01	Barn	Ag Water	Medeiros		12/12/2023 9:15
23L0640-02	House	Ag Water	Medeiros		12/12/2023 9:20

Default Cooler Temperature on Receipt °C: 16.6
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

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



AJ Slenders
625 E Coleman
Laton, CA 93242

Account# 00-0018978
Account Manager: Ben Nydam
Submitted By: Christina Mederios

Received: 12/13/2023 7:00
Reported: 12/21/2023 08:24

Sample Results

Sample: Barn
23L0640-01 (Water)

Sampled: 12/12/2023 9:15
Sampled By: Medeiros

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	0.24	mmhos/cm	0.01	1		12/13/23 14:56	SM 2510 B		BEL0494
Electrical Conductivity umhos	238	umhos/cm	10.0	1		12/13/23 14:56	SM 2510 B		BEL0494
Ammonia (as N)	ND	mg/L	0.00	1		12/12/23 09:15	Field		BEL0511
Nitrate Nitrogen as NO3N	ND	mg/L	0.1	1	10	12/13/23 20:20	EPA 300.0		BEL0447
Temperature	25.0	units	0.0	1		12/13/23 14:56	SM 4500-H+	H	BEL0494
pH	9.3	units	1.0	1		12/13/23 14:56	SM 4500-H+	H	BEL0494

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



AJ Slenders
625 E Coleman
Laton, CA 93242

Account# 00-0018978
Account Manager: Ben Nydam
Submitted By: Christina Mederios

Received: 12/13/2023 7:00
Reported: 12/21/2023 08:24

Sample: House
23L0640-02 (Water)

Sampled: 12/12/2023 9:20

Sampled By: Medeiros

Sample Results
(Continued)

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	0.24	mmhos/cm	0.01	1		12/13/23 14:57	SM 2510 B		BEL0494
Electrical Conductivity umhos	238	umhos/cm	10.0	1		12/13/23 14:57	SM 2510 B		BEL0494
Ammonia (as N)	ND	mg/L	0.00	1		12/12/23 09:20	Field		BEL0511
Nitrate Nitrogen as NO ₃ N	ND	mg/L	0.1	1	10	12/13/23 20:41	EPA 300.0		BEL0447
Temperature	25.0	units	0.0	1		12/13/23 14:57	SM 4500-H+	H	BEL0494
pH	9.3	units	1.0	1		12/13/23 14:57	SM 4500-H+	H	BEL0494

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

AJ Slenders
625 E Coleman
Laton, CA 93242

Account# 00-0018978
Account Manager: Ben Nydam
Submitted By: Christina Mederios

Received: 12/13/2023 7:00
Reported: 12/21/2023 08:24

Quality Control

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

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



AJ Slenders
625 E Coleman
Laton, CA 93242

Account# 00-0018978
Account Manager: Ben Nydam
Submitted By: Christina Mederios

Received: 12/13/2023 7:00
Reported: 12/21/2023 08:24

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
---------	-------------	-----------------	-------	-------------	---------------	------	--------	-----	-----------

Batch: BEL0447 (Continued)

Reference (BEL0447-SRM3)		Prepared: 12/13/2023 Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	9.8		mg/L	10.00	98.2	90-110	
Reference (BEL0447-SRM4)		Prepared: 12/13/2023 Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	9.6		mg/L	10.00	95.5	90-110	

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

AJ Slenders
625 E Coleman
Laton, CA 93242

Account# 00-0018978
Account Manager: Ben Nydam
Submitted By: Christina Mederios

Received: 12/13/2023 7:00
Reported: 12/21/2023 08:24

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEL0494									
Blank (BEL0494-BLK1)									
Electrical Conductivity	ND	0.01	mmhos/cm						
Temperature	25.0	0.0	units						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
pH	6.3	1.0	units						
Blank (BEL0494-BLK2)									
Temperature	25.0	0.0	units						
Electrical Conductivity	ND	0.01	mmhos/cm						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
pH	7.6	1.0	units						
Blank (BEL0494-BLK3)									
Electrical Conductivity	ND	0.01	mmhos/cm						
Temperature	25.0	0.0	units						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
pH	7.8	1.0	units						
Duplicate (BEL0494-DUP1)									
		Source: 23L0635-03							
Electrical Conductivity	1.22	0.01	mmhos/cm		1.22			0.664	10
pH	7.5	1.0	units		7.5			0.00	10
Electrical Conductivity umhos	1220	10.0	umhos/cm		1220			0.664	10
Duplicate (BEL0494-DUP2)									
		Source: 23L0643-01							
Electrical Conductivity	9.46	0.01	mmhos/cm		9.30			1.69	10
Electrical Conductivity umhos	9460	10.0	umhos/cm		9300			1.69	10
pH	7.3	1.0	units		7.3			0.137	10
Reference (BEL0494-SRM1)									
Electrical Conductivity	447		umhos/cm		426.0	105	90-110		
Reference (BEL0494-SRM2)									
pH	7.5		units		7.520	100	67021-101.3		
Reference (BEL0494-SRM3)									
Electrical Conductivity	1070		umhos/cm		1000	107	90-110		
Electrical Conductivity umhos	1070		umhos/cm		1000	107	90-110		
Reference (BEL0494-SRM4)									
Electrical Conductivity	1060		umhos/cm		1000	106	90-110		
Electrical Conductivity umhos	1060		umhos/cm		1000	106	90-110		
Reference (BEL0494-SRM5)									
Electrical Conductivity	1070		umhos/cm		1000	107	90-110		

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



AJ Slenders
625 E Coleman
Laton, CA 93242

Account# 00-0018978
Account Manager: Ben Nydam
Submitted By: Christina Mederios

Received: 12/13/2023 7:00
Reported: 12/21/2023 08:24

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEL0494 (Continued)									
Reference (BEL0494-SRM5)									
Electrical Conductivity umhos	1070		umhos/cm	1000	107	90-110			
Reference (BEL0494-SRM6)									
pH	4.0		units	4.000	101	97.5-102.5			
Reference (BEL0494-SRM7)									
pH	4.0		units	4.000	101	97.5-102.5			
Reference (BEL0494-SRM8)									
pH	4.0		units	4.000	100	97.5-102.5			

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



12/13/23 07:00

23L0640

Shipping Information: Shipped In <input type="checkbox"/> Picked-Up <input type="checkbox"/> Walk In <input checked="" type="checkbox"/> DLI Sampler <input type="checkbox"/> Other <input type="checkbox"/>									
<input type="checkbox"/> Samples refrigerated before pick up					<input type="checkbox"/> Picked up samples placed in Ice chest				
Container: Ice Chest <input checked="" type="checkbox"/> Box <input type="checkbox"/> None <input type="checkbox"/>					Refrigerant: Wet Ice <input type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/>				
Samples Preserved with HNO ₃ or H ₂ SO ₄ were:					<input type="checkbox"/> Received Preserved		<input type="checkbox"/> Preserved Upon Receipt at Laboratory		
Type of Container(s) Received	Sample Number								
	1	2	3	4	5	6	7	8	9
Sample Containers for Internal (DLI) Use (Containers that go into the Lab)									
Plastics	100 mL sterile plastic Na ₂ S ₂ O ₃ (Green)								
	250 mL unpreserved (White) Plastic								
	250 mL HNO ₃ (Red) Plastic								
	* pH Value								
	250 mL H ₂ SO ₄ (Yellow) Plastic								
	* pH Value								
	500 mL unpreserved (White) Plastic								
1 L unpreserved (White) Plastic									
1 L unpreserved (BOD) (Purple) Plastic									
Special	500mL unpreserved (White) Glass								
	PO4-P Kit								
	Other:								
Sample Containers for Subcontracted ("Send Out") Analyses (Containers that go in the Subcontract ("Send Out") Refrigerator)									
Plastics	100 mL sterile plastic Na ₂ S ₂ O ₃ (Green)								
	250 mL unpreserved (White) Plastic								
	250 mL HNO ₃ (Red) Plastic								
	250 mL H ₂ SO ₄ (Yellow) Plastic								
	500 mL HNO ₃ (Red)								
	1 L unpreserved (White) Plastic								
	1 L unpreserved (BOD) (Purple) Plastic								
VOA Vials	100 mL VOA, Na ₂ S ₂ O ₃ + MCAA (EPA531)								
	40 mL VOA, Na ₂ S ₂ O ₃ (EPA547)								
	40mL AG VOA unpreserved (White) (Set of 3)								
	40 mL AG VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)								
	40mL VOA, H ₃ PO ₄ (Set of 3)								
	40 mL VOA, HCl (Blue) (Set of 3)								
	40 mL VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)								
Glass	250 mL AG unpreserved (White)								
	250 mL AG H ₂ SO ₄ (Yellow)								
	250 mL AG Na ₂ S ₂ O ₃ (Green)								
	250 mL AG Na ₂ S ₂ O ₃ + MCAA								
	500 mL glass unpreserved (White)								
	500 mL AG HCl (Blue)								
	1 L AG unpreserved (White)								
Special	1 L AG H ₂ SO ₄ (Yellow)								
	1 L AG Na ₂ S ₂ O ₃ (Green)								
	1 L AG HCl (Blue)								
	Cr ⁶⁺ - 50mL Plastic w/Borate/HCO ₃ /CO ₃								
	Cyanide - 500 mL NaOH								
Asbestos - 1L P wrapped in foil (Set of 2)									
Sulfide - 1 L AG or P NaOH + ZnAc									
Chlorite/Bromate - 250 mL AG with EDA									
HAA5 - 250mL AG Ammonium Chlorite									
DO KIT									
Other:									
Other:									



AJ Slenders
625 E Coleman
Laton, CA 93242

Account# 00-0018978
Account Manager: Ben Nydam
Submitted By: Christina Mederios

Received: 08/17/2023 8:32
Reported: 08/23/2023 15:29

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23H1596-01	Canal	Ag Water			08/16/2023 15:30

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

Notes and Definitions

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

Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

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



AJ Slenders
625 E Coleman
Laton, CA 93242

Account# 00-0018978
Account Manager: Ben Nydam
Submitted By: Christina Mederios

Received: 08/17/2023 8:32
Reported: 08/23/2023 15:29

Sample Results

Sample: Canal
23H1596-01 (Water)

Sampled: 8/16/2023 15:30

Sampled By:

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	0.02	mmhos/cm	0.01	1		08/18/23 17:30	SM 2510 B		BEH0918
Nitrate Nitrogen as NO ₃ N	ND	mg/L	0.1	1	10	08/18/23 02:52	EPA 300.0		BEH0886

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

AJ Slenders
625 E Coleman
Laton, CA 93242

Account# 00-0018978
Account Manager: Ben Nydam
Submitted By: Christina Mederios

Received: 08/17/2023 8:32
Reported: 08/23/2023 15:29

Quality Control

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0886									
Blank (BEH0886-BLK1)									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared & Analyzed: 8/17/2023				
Blank (BEH0886-BLK2)									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared & Analyzed: 8/17/2023				
Blank (BEH0886-BLK3)									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared: 8/17/2023 Analyzed: 8/18/2023				
LCS (BEH0886-BS1)									
Nitrate Nitrogen as NO3N	4.9	0.1	mg/L	5.000	97.8	90-110			
LCS (BEH0886-BS2)									
Nitrate Nitrogen as NO3N	4.9	0.1	mg/L	5.000	98.4	90-110			
Duplicate (BEH0886-DUP1)									
Nitrate Nitrogen as NO3N	0.2	0.1	mg/L	0.2			0.475	10	
Duplicate (BEH0886-DUP2)									
Nitrate Nitrogen as NO3N	5.8	0.1	mg/L	5.8			0.172	10	
Matrix Spike (BEH0886-MS1)									
Nitrate Nitrogen as NO3N	5.2	0.1	mg/L	5.000	0.2	99.6	90-110		
Matrix Spike (BEH0886-MS2)									
Nitrate Nitrogen as NO3N	10.8	0.1	mg/L	5.000	5.8	98.9	90-110		
Reference (BEH0886-SRM1)									
Nitrate Nitrogen as NO3N	9.9		mg/L	10.00		98.8	90-110		
Reference (BEH0886-SRM2)									
Nitrate Nitrogen as NO3N	10.0		mg/L	10.00		99.6	90-110		
Reference (BEH0886-SRM3)									
Nitrate Nitrogen as NO3N	10.0		mg/L	10.00		99.6	90-110		

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



AJ Slenders
625 E Coleman
Laton, CA 93242

Account# 00-0018978
Account Manager: Ben Nydam
Submitted By: Christina Mederios

Received: 08/17/2023 8:32
Reported: 08/23/2023 15:29

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0918									
Blank (BEH0918-BLK1)									
Electrical Conductivity	ND	0.01	mmhos/cm		Prepared: 8/17/2023 Analyzed: 8/18/2023				
Blank (BEH0918-BLK2)									
Electrical Conductivity	ND	0.01	mmhos/cm		Prepared: 8/17/2023 Analyzed: 8/18/2023				
Blank (BEH0918-BLK3)									
Electrical Conductivity	ND	0.01	mmhos/cm		Prepared: 8/17/2023 Analyzed: 8/18/2023				
Duplicate (BEH0918-DUP1)									
Electrical Conductivity	0.02	0.01	mmhos/cm	0.02	Source: 23H1497-03	Prepared: 8/17/2023 Analyzed: 8/18/2023		9.30	10
Duplicate (BEH0918-DUP2)									
Electrical Conductivity	0.02	0.01	mmhos/cm	0.02	Source: 23H1590-01	Prepared: 8/17/2023 Analyzed: 8/18/2023		0.00	10
Reference (BEH0918-SRM1)									
Electrical Conductivity	511	umhos/cm	538.0	94.9		Prepared: 8/17/2023 Analyzed: 8/18/2023	90-110		
Reference (BEH0918-SRM3)									
Electrical Conductivity	956	umhos/cm	1000	95.6		Prepared: 8/17/2023 Analyzed: 8/18/2023	90-110		
Reference (BEH0918-SRM4)									
Electrical Conductivity	956	umhos/cm	1000	95.6		Prepared: 8/17/2023 Analyzed: 8/18/2023	90-110		
Reference (BEH0918-SRM5)									
Electrical Conductivity	971	umhos/cm	1000	97.1		Prepared: 8/17/2023 Analyzed: 8/18/2023	90-110		

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



RIV

08/17/23 08:32

28H1596

Shipping Information: Shipped In <input type="checkbox"/> Picked-Up <input type="checkbox"/> Walk In <input type="checkbox"/> DLI Sampler <input checked="" type="checkbox"/> Other <input type="checkbox"/>										
<input type="checkbox"/> Samples refrigerated before pick up					<input type="checkbox"/> Picked up samples placed in Ice chest					
Container: Ice Chest <input checked="" type="checkbox"/> Box <input type="checkbox"/> None <input type="checkbox"/>					Refrigerant: Wet Ice <input checked="" type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/>					
Samples Preserved with HNO ₃ or H ₂ SO ₄ were: <input type="checkbox"/> Received Preserved <input type="checkbox"/> Preserved Upon Receipt at Laboratory										
Type of Container(s) Received		Sample Number								
		1	2	3	4	5	6	7	8	9
Sample Containers for Internal (DLI) Use (Containers that go into the Lab)										
Plastics	100 mL sterile plastic Na ₂ S ₂ O ₃ (Green)									
	250 mL unpreserved (White) Plastic									
	250 mL HNO ₃ (Red) Plastic									
	* pH Value									
	250 mL H ₂ SO ₄ (Yellow) Plastic									
	* pH Value									
	500 mL unpreserved (White) Plastic									
	1 L unpreserved (White) Plastic									
Special	1 L unpreserved (BOD) (Purple) Plastic									
	500mL unpreserved (White) Glass									
	PO4-P Kit									
Other:										
Sample Containers for Subcontracted ("Send Out") Analyses (Containers that go in the Subcontract ("Send Out") Refrigerator)										
Plastics	100 mL sterile plastic Na ₂ S ₂ O ₃ (Green)									
	250 mL unpreserved (White) Plastic									
	250 mL HNO ₃ (Red) Plastic									
	250 mL H ₂ SO ₄ (Yellow) Plastic									
	500 mL HNO ₃ (Red)									
	1 L unpreserved (White) Plastic									
	1 L unpreserved (BOD) (Purple) Plastic									
	1 L HNO ₃ (Red)									
VOA Vials	40 mL VOA, Na ₂ S ₂ O ₃ + MCAA (EPA531)									
	40 mL VOA, Na ₂ S ₂ O ₃ (EPA547)									
	40mL AG VOA unpreserved (White) (Set of 3)									
	40 mL AG VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)									
	40mL VOA, H ₃ PO ₄ (Set of 3)									
	40 mL VOA, HCl (Blue) (Set of 3)									
	40 mL VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)									
Glass	250 mL AG unpreserved (White)									
	250 mL AG H ₂ SO ₄ (Yellow)									
	250 mL AG Na ₂ S ₂ O ₃ (Green)									
	250 mL AG Na ₂ S ₂ O ₃ + MCAA									
	500 mL glass unpreserved (White)									
	500 mL AG HCl (Blue)									
	1 L AG unpreserved (White)									
	1 L AG H ₂ SO ₄ (Yellow)									
Special	1 L AG Na ₂ S ₂ O ₃ (Green)									
	1 L AG HCl (Blue)									
	Cr ⁶⁺ - 50mL Plastic w/Borate/HCO ₃ /CO ₃									
	Cyanide - 500 mL NaOH									
	Asbestos - 1L P wrapped in foil (Set of 2)									
Sulfide - 1 L AG or P NaOH + ZnAc										
Chlorite/Bromate - 250 mL AG with EDA										
HAA5 - 250mL AG Ammonium Chlorite										
DO KIT										
Other:										