

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: DOUBLE "N" DAIRY**

Physical address of dairy:

12700 EVERETT AVE

Number and Street

HANFORD, CA

City

Kings

County

93230

Zip Code

Street and nearest cross street (if no address): _____

Date facility was originally placed in operation: 01/01/1954Regional Water Quality Control Board Basin Plan designation: Tulare Basin

County Assessor Parcel Number(s) for dairy facility:

0006-0020-0038-0000

B. OPERATORS

Netto, Frank

Operator name: Netto, FrankTelephone no.: (559) 585-2097

Landline

Cellular

10044 Flint AVE

Hanford

CA

93230

Mailing Address Number and Street

City

State

Zip Code

Netto, James

Operator name: Netto, JamesTelephone no.: (559) 585-2097

Landline

Cellular

10044 Flint AVE

Hanford

CA

93230

Mailing Address Number and Street

City

State

Zip Code

This operator is responsible for paying permit fees.**C. OWNERS**

Netto, Cindy

Legal owner name: Netto, CindyTelephone no.: (559) 585-2097

Landline

Cellular

10044 Flint AVE

Hanford

CA

93230

Mailing Address Number and Street

City

State

Zip Code

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

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

Netto, Delia

Legal owner name: <u>Netto, Delia</u>	Telephone no.: <u>(559) 585-2097</u>
	Landline Cellular
10044 Flint AVE Mailing Address Number and Street	Hanford City CA State Zip Code

Netto, Frank

Legal owner name: <u>Netto, Frank</u>	Telephone no.: <u>(559) 585-2097</u>
	Landline Cellular
10044 Flint AVE Mailing Address Number and Street	Hanford City CA State Zip Code

Netto, James

Legal owner name: <u>Netto, James</u>	Telephone no.: <u>(559) 585-2097</u>
	Landline Cellular
10044 Flint AVE Mailing Address Number and Street	Hanford City CA 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	935	100	0	0	160	0
Number under roof	0	0	0	0	0	0
Maximum number	935	100	0	0	160	0
Average number	935	100	0	0	160	0
Avg live weight (lbs)	1,200	1,300	0	0		

Predominant milk cow breed: Holstein

Average milk production: 69 pounds per cow per day

B. MANURE GENERATED

Total manure excreted by the herd: 25,829.38 tons per reporting period

Total nitrogen from manure: 338,571.67 lbs per reporting period

After ammonia losses (30% loss applied): 237,000.17 lbs per reporting period

Total phosphorus from manure: 55,810.63 lbs per reporting period

Total potassium from manure: 178,446.83 lbs per reporting period

Total salt from manure: 463,239.75 lbs per reporting period

C. PROCESS WASTEWATER GENERATED

Process wastewater generated: 20,950,000 gallons

Total nitrogen generated: 61,716.64 lbs

Total phosphorus generated: 11,790.01 lbs

Total potassium generated: 78,883.44 lbs

Total salt generated: 487,054.05 lbs

$$\begin{aligned}
 & 20,950,000 \text{ gallons applied} \\
 & + 0 \text{ gallons exported} \\
 & - 0 \text{ gallons imported} \\
 & = 20,950,000 \text{ gallons generated}
 \end{aligned}$$

D. FRESH WATER SOURCES

Source Description	Type
Barn	Ground water
Canal	Surface 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

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
Field 00	18	18	0	none	X006-X020-X009-XXXX
Field 1	15	15	2	process wastewater	X006-X020-X101-XXXX
Field 10	16	16	0	none	X006-X020-X003-XXXX X006-X020-X010-XXXX
Field 11	30	30	2	process wastewater	X006-X020-X035-XXXX
Field 12	40	40	2	both	X006-X020-X011-XXXX
Field 13	13	13	0	none	X006-X020-X012-XXXX
Field 14	23	23	0	none	X006-X020-X012-XXXX
Field 2	30	30	2	process wastewater	X006-X020-X101-XXXX
Field 24	3	3	0	none	X006-X040-X098-XXXX
Field 25	4	4	0	none	X006-X040-X125-XXXX
Field 3	20	20	2	process wastewater	X006-X020-X101-XXXX
Field 4	17	17	2	both	X006-X020-X005-XXXX X006-X020-X006-XXXX
Field 5	23	23	0	none	X006-X020-X004-XXXX
Field 6	19	19	0	none	X006-X020-X003-XXXX X006-X020-X010-XXXX
Field 7	7	7	1	process wastewater	X006-X020-X038-XXXX
Field 8	30	30	0	none	X006-X020-X038-XXXX
Field 9	20	20	0	none	X006-X020-X007-XXXX X006-X020-X008-XXXX
GN House	5	5	0	none	X006-X020-X094-XXXX
Totals for areas that were used for application	159	159	13		
Totals for areas that were not used for application	174	174	0		
Land application area totals	333	333	13		

B. CROPS AND HARVESTS

Field 1

Field name: Field 1

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

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

Field 1

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

Crop: Wheat, silage, boot stage Acres planted: 15 Plant date: 11/01/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/09/2023	385.88 ton	Dry-weight		67.8	12,200.00	3,400.00	17,300.00		9.81

	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	25.73	202.12	56.33	286.61	1,625.23

06/01/2023: Corn, silage

Crop: Corn, silage Acres planted: 15 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 (%)
09/20/2023	431.20 ton	Dry-weight		70.2	15,100.00	3,400.00	17,400.00		8.10

	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	28.75	258.71	58.25	298.11	1,387.77

Field 11

Field name: Field 11

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

Crop: Wheat, silage, boot stage Acres planted: 30 Plant date: 11/01/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/09/2023	501.60 ton	Dry-weight		66.8	10,000.00	3,700.00	20,400.00		9.81

	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	16.72	111.02	41.08	226.48	1,089.11

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

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

Field 11

06/01/2023: Corn, silage

Crop: Corn, silage Acres planted: 30 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 (%)
09/26/2023	865.42 ton	Dry-weight		67.0	12,800.00	2,900.00	19,400.00		5.34
Anticipated harvest content									
Total actual harvest content									

Field 12

Field name: Field 12

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

Crop: Wheat, silage, boot stage Acres planted: 40 Plant date: 11/01/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/09/2023	675.30 ton	Dry-weight		71.1	12,200.00	4,600.00	26,500.00		9.74
Anticipated harvest content									
Total actual harvest content									

06/01/2023: Corn, silage

Crop: Corn, silage Acres planted: 40 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 (%)
09/07/2023	1,102.60 ton	Dry-weight		70.1	14,500.00	3,600.00	18,100.00		7.66
Anticipated harvest content									
Total actual harvest content									

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

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

Field 2

Field name: Field 2

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

Crop: Wheat, silage, boot stage Acres planted: 30 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 (%)
04/25/2023	600.66 ton	Dry-weight		66.2	12,100.00	3,200.00	16,500.00		9.57

	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	20.02	163.77	43.31	223.33	1,295.29

06/01/2023: Corn, silage

Crop: Corn, silage Acres planted: 30 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 (%)
09/20/2023	798.53 ton	Dry-weight		71.3	13,500.00	3,100.00	16,400.00		7.54

	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	26.62	206.26	47.36	250.57	1,152.00

Field 3

Field name: Field 3

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

Crop: Wheat, silage, boot stage Acres planted: 20 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 (%)
04/25/2023	283.84 ton	Dry-weight		65.1	15,400.00	4,200.00	18,500.00		9.75

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	16.00	256.00	44.80	192.00	0.00
Total actual harvest content	14.19	152.55	41.61	183.26	965.84

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

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

Field 3

06/01/2023: Corn, silage

Crop: Corn, silage Acres planted: 20 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 (%)
09/26/2023	661.85 ton	Dry-weight		68.1	9,000.00	2,600.00	15,800.00		5.72

	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	33.09	190.02	54.89	333.59	1,207.66

Field 4

Field name: Field 4

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

Crop: Wheat, silage, boot stage Acres planted: 17 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 (%)
04/25/2023	340.80 ton	Dry-weight		67.5	15,200.00	3,800.00	17,800.00		9.66

	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	20.05	198.06	49.52	231.94	1,258.75

06/01/2023: Corn, silage

Crop: Corn, silage Acres planted: 17 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 (%)
09/26/2023	387.62 ton	Dry-weight		64.5	8,000.00	3,100.00	17,300.00		5.53

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	224.00	42.00	184.80	0.00
Total actual harvest content	22.80	129.51	50.19	280.07	895.24

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

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

Field 7

Field name: Field 7

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

Crop: Wheat, silage, boot stage Acres planted: 7 Plant date: 11/01/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/09/2023	134.20 ton	Dry-weight		74.5	13,000.00	3,800.00	23,400.00		10.98

	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	19.17	127.11	37.15	228.79	1,073.56

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

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

NUTRIENT BUDGET**A. LAND APPLICATIONS**

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

Field name: Field 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
12/21/2022	Surface (irrigation)	No precipitation	No precipitation			No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	65.00	14.50	88.69	554.27	450,000.00 gal
Application event totals		65.00	14.50	88.69	554.27	
01/15/2023	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	65.00	14.50	88.69	554.27	450,000.00 gal
Application event totals		65.00	14.50	88.69	554.27	
02/12/2023	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	65.00	14.50	88.69	554.27	450,000.00 gal
Canal	Surface water	0.00	0.00	0.00	10.65	1,595,000.00 gal
Application event totals		65.00	14.50	88.69	564.92	
03/14/2023	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	65.00	14.50	88.69	554.27	450,000.00 gal
Canal	Surface water	0.00	0.00	0.00	10.65	1,595,000.00 gal
Application event totals		65.00	14.50	88.69	564.92	

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

Field name: Field 1

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

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

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

Field 1 - 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	15.32	2,295,000.00 gal
Application event totals		0.00	0.00	0.00	15.32	
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	157.50	28.13	157.12	1,081.14	675,000.00 gal
Canal	Surface water	0.00	0.00	0.00	15.32	2,295,000.00 gal
Application event totals		157.50	28.13	157.12	1,096.46	
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	15.32	2,295,000.00 gal
Application event totals		0.00	0.00	0.00	15.32	
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	15.32	2,295,000.00 gal
Application event totals		0.00	0.00	0.00	15.32	
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	157.50	28.13	157.12	1,081.14	675,000.00 gal
Canal	Surface water	0.00	0.00	0.00	15.32	2,295,000.00 gal
Application event totals		157.50	28.13	157.12	1,096.46	
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	15.32	2,295,000.00 gal
Application event totals		0.00	0.00	0.00	15.32	

DOUBLE "N" DAIRY | 12700 EVERETT AVE | HANFORD, CA, CA 93230 | Kings County | Tulare Basin

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

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

Field 1 - 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	15.32	2,295,000.00 gal
Application event totals		0.00	0.00	0.00	15.32	
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	15.32	2,295,000.00 gal
Application event totals		0.00	0.00	0.00	15.32	

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

Field name: Field 11

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

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
12/23/2022	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	63.19	14.10	86.22	538.88	875,000.00 gal
Application event totals		63.19	14.10	86.22	538.88	
02/13/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	63.19	14.10	86.22	538.88	875,000.00 gal
Canal	Surface water	0.00	0.00	0.00	12.67	3,795,000.00 gal
Application event totals		63.19	14.10	86.22	551.55	
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
Canal	Surface water	0.00	0.00	0.00	12.67	3,795,000.00 gal
Application event totals		0.00	0.00	0.00	12.67	

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

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

Field 11 - 06/01/2023: Corn, silage

Field name: Field 11

Crop: Corn, silage

Plant date: 06/01/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
06/25/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	12.67	3,795,000.00 gal
Application event totals		0.00	0.00	0.00	12.67	
07/05/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	96.25	17.19	96.02	660.69	825,000.00 gal
Canal	Surface water	0.00	0.00	0.00	12.67	3,795,000.00 gal
Application event totals		96.25	17.19	96.02	673.36	
07/15/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	12.67	3,795,000.00 gal
Application event totals		0.00	0.00	0.00	12.67	
07/25/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	96.25	17.19	96.02	660.69	825,000.00 gal
Canal	Surface water	0.00	0.00	0.00	12.67	3,795,000.00 gal
Application event totals		96.25	17.19	96.02	673.36	
08/05/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	12.67	3,795,000.00 gal
Application event totals		0.00	0.00	0.00	12.67	

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

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

Field 11 - 06/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
08/15/2023	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	130.44	20.25	193.83	1,062.07	825,000.00 gal
Canal	Surface water	0.00	0.00	0.00	12.67	3,795,000.00 gal
Application event totals		130.44	20.25	193.83	1,074.74	
08/25/2023	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	12.67	3,795,000.00 gal
Application event totals		0.00	0.00	0.00	12.67	
09/05/2023	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	12.67	3,795,000.00 gal
Application event totals		0.00	0.00	0.00	12.67	

Field 12 - 11/01/2022: Wheat, silage, boot stage

Field name:	Field 12					
Crop:	Wheat, silage, boot stage					
Application date	Application method	Precipitation 24 hours prior		Precipitation during application		Precipitation 24 hours following
12/22/2022	Surface (irrigation)	No precipitation		No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	36.56	8.15	49.89	311.78	675,000.00 gal
Application event totals		36.56	8.15	49.89	311.78	
01/15/2023	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	36.56	8.15	49.89	311.78	675,000.00 gal
Application event totals		36.56	8.15	49.89	311.78	

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

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

Field 12 - 11/01/2022: Wheat, silage, boot stage

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
WW	Process wastewater	36.56	8.15	49.89	311.78	675,000.00 gal
Canal	Surface water	0.00	0.00	0.00	7.00	2,795,000.00 gal
Application event totals		36.56	8.15	49.89	318.78	
03/12/2023	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	36.56	8.15	49.89	311.78	675,000.00 gal
Canal	Surface water	0.00	0.00	0.00	7.00	2,795,000.00 gal
Application event totals		36.56	8.15	49.89	318.78	

Field 12 - 06/01/2023: Corn, silage

Field name:	Field 12	Plant date:	06/01/2023			
Crop:	Corn, silage					
Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
04/02/2023	Plow/disc	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Dry Manure	Corral solids	144.00	73.00	247.00	6,209.10	200.00 ton
Application event totals		144.00	73.00	247.00	6,209.10	
06/28/2023	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	12.00	4,795,000.00 gal
Application event totals		0.00	0.00	0.00	12.00	

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

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

Field 12 - 06/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
07/08/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	67.81	12.11	67.65	465.49	775,000.00 gal
Canal	Surface water	0.00	0.00	0.00	12.00	4,795,000.00 gal
Application event totals		67.81	12.11	67.65	477.49	
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	12.00	4,795,000.00 gal
Application event totals		0.00	0.00	0.00	12.00	
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	12.00	4,795,000.00 gal
Application event totals		0.00	0.00	0.00	12.00	
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	80.04	12.43	118.94	651.72	675,000.00 gal
Canal	Surface water	0.00	0.00	0.00	12.00	4,795,000.00 gal
Application event totals		80.04	12.43	118.94	663.73	
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	12.00	4,795,000.00 gal
Application event totals		0.00	0.00	0.00	12.00	
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	12.00	4,795,000.00 gal
Application event totals		0.00	0.00	0.00	12.00	

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

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

Field 12 - 06/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
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	12.00	4,795,000.00 gal
Application event totals		0.00	0.00	0.00	12.00	

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

Field name: Field 2

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

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
12/29/2022	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	48.75	10.87	66.51	415.71	675,000.00 gal
Application event totals		48.75	10.87	66.51	415.71	
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	48.75	10.87	66.51	415.71	675,000.00 gal
Application event totals		48.75	10.87	66.51	415.71	
02/21/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	48.75	10.87	66.51	415.71	675,000.00 gal
Canal	Surface water	0.00	0.00	0.00	9.33	2,795,000.00 gal
Application event totals		48.75	10.87	66.51	425.04	

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

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

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

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
03/20/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	48.75	10.87	66.51	415.71	675,000.00 gal
Canal	Surface water	0.00	0.00	0.00	9.33	2,795,000.00 gal
Application event totals		48.75	10.87	66.51	425.04	

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

Field name: Field 2

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

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
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	12.67	3,795,000.00 gal
Application event totals		0.00	0.00	0.00	12.67	
07/10/2023	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
WW	Process wastewater	113.75	20.31	113.48	780.82	975,000.00 gal
Canal	Surface water	0.00	0.00	0.00	12.67	3,795,000.00 gal
Application event totals		113.75	20.31	113.48	793.49	
07/20/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	12.67	3,795,000.00 gal
Application event totals		0.00	0.00	0.00	12.67	

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

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

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

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
Canal	Surface water	0.00	0.00	0.00	12.67	3,795,000.00 gal
Application event totals		0.00	0.00	0.00	12.67	
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
WW	Process wastewater	154.16	23.94	229.07	1,255.17	975,000.00 gal
Canal	Surface water	0.00	0.00	0.00	12.67	3,795,000.00 gal
Application event totals		154.16	23.94	229.07	1,267.84	
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	12.67	3,795,000.00 gal
Application event totals		0.00	0.00	0.00	12.67	
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	12.67	3,795,000.00 gal
Application event totals		0.00	0.00	0.00	12.67	
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	12.67	3,795,000.00 gal
Application event totals		0.00	0.00	0.00	12.67	

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

Field name: Field 3

Crop: Wheat, silage, boot stage

Plant date: 11/01/2022

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

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

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

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

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
01/04/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	67.70	15.10	92.38	577.37	625,000.00 gal
Application event totals		67.70	15.10	92.38	577.37	
02/05/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	67.70	15.10	92.38	577.37	625,000.00 gal
Canal	Surface water	0.00	0.00	0.00	8.99	1,795,000.00 gal
Application event totals		67.70	15.10	92.38	586.36	
03/10/2023	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
WW	Process wastewater	67.70	15.10	92.38	577.37	625,000.00 gal
Canal	Surface water	0.00	0.00	0.00	8.99	1,795,000.00 gal
Application event totals		67.70	15.10	92.38	586.36	

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

Field name: Field 3

Crop: Corn, silage

Plant date: 06/01/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
06/27/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	13.99	2,795,000.00 gal
Application event totals		0.00	0.00	0.00	13.99	

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

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

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

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
07/07/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	13.99	2,795,000.00 gal
Application event totals		0.00	0.00	0.00	13.99	
07/17/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	105.00	18.75	104.75	720.76	600,000.00 gal
Canal	Surface water	0.00	0.00	0.00	13.99	2,795,000.00 gal
Application event totals		105.00	18.75	104.75	734.75	
07/27/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	13.99	2,795,000.00 gal
Application event totals		0.00	0.00	0.00	13.99	
08/07/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	13.99	2,795,000.00 gal
Application event totals		0.00	0.00	0.00	13.99	
08/17/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	142.30	22.10	211.45	1,158.62	600,000.00 gal
Canal	Surface water	0.00	0.00	0.00	13.99	2,795,000.00 gal
Application event totals		142.30	22.10	211.45	1,172.61	
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	0.00	0.00	0.00	13.99	2,795,000.00 gal
Application event totals		0.00	0.00	0.00	13.99	

DOUBLE "N" DAIRY | 12700 EVERETT AVE | HANFORD, CA, CA 93230 | Kings County | Tulare Basin

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

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

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

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
09/07/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	13.99	2,795,000.00 gal
Application event totals		0.00	0.00	0.00	13.99	

Field 4 - 11/01/2022: Wheat, silage, boot stage

Field name: Field 4

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	
10/10/2022	Plow/disc	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Dry Manure	Corral solids	169.41	77.65	285.88	9,860.72	150.00 ton
Application event totals		169.41	77.65	285.88	9,860.72	
01/09/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	38.23	8.53	52.17	326.04	300,000.00 gal
Application event totals		38.23	8.53	52.17	326.04	
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	9.40	1,595,000.00 gal
Application event totals		0.00	0.00	0.00	9.40	
03/09/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	38.23	8.53	52.17	326.04	300,000.00 gal
Canal	Surface water	0.00	0.00	0.00	9.40	1,595,000.00 gal
Application event totals		38.23	8.53	52.17	335.44	

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

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

Field 4 - 06/01/2023: Corn, silage

Field name: Field 4

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	13.52	2,295,000.00 gal
Application event totals		0.00	0.00	0.00	13.52	
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	66.91	11.95	66.75	459.31	325,000.00 gal
Canal	Surface water	0.00	0.00	0.00	13.52	2,295,000.00 gal
Application event totals		66.91	11.95	66.75	472.83	
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	13.52	2,295,000.00 gal
Application event totals		0.00	0.00	0.00	13.52	
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	13.52	2,295,000.00 gal
Application event totals		0.00	0.00	0.00	13.52	
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	90.68	14.08	134.74	738.34	325,000.00 gal
Canal	Surface water	0.00	0.00	0.00	13.52	2,295,000.00 gal
Application event totals		90.68	14.08	134.74	751.86	

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

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

Field 4 - 06/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
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	13.52	2,295,000.00 gal
Application event totals		0.00	0.00	0.00	13.52	
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	13.52	2,295,000.00 gal
Application event totals		0.00	0.00	0.00	13.52	
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	13.52	2,295,000.00 gal
Application event totals		0.00	0.00	0.00	13.52	

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

Field name:	Field 7					
Crop:	Wheat, silage, boot stage					
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	46.43	10.36	63.35	395.91	150,000.00 gal
Application event totals		46.43	10.36	63.35	395.91	
02/11/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	46.43	10.36	63.35	395.91	150,000.00 gal
Canal	Surface water	0.00	0.00	0.00	12.80	895,000.00 gal
Application event totals		46.43	10.36	63.35	408.71	

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

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

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

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
03/12/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
WW	Process wastewater	46.43	10.36	63.35	395.91
Canal	Surface water	0.00	0.00	0.00	12.80
Application event totals		46.43	10.36	63.35	408.71

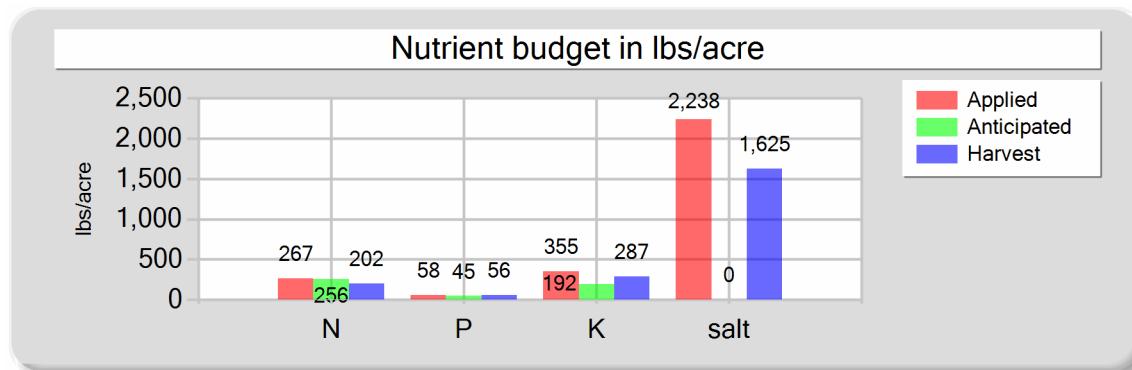
Annual Report - General Order No. R5-2007-0035

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

B. NUTRIENT BUDGET

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

Field name: Field 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)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	259.98	57.99	354.75	2,217.10
Fresh water	0.00	0.00	0.00	21.30
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	266.98	57.99	354.75	2,238.40
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00
Actual crop nutrient removal	202.12	56.33	286.61	1,625.23
Nutrient balance	64.86	1.66	68.13	613.16
Applied to removed ratio	1.32	1.03	1.24	1.38

Fresh water applied
3,190,000.00 gallons
117.48 acre-inches
7.83 inches/acre
Process wastewater applied
1,800,000.00 gallons
66.29 acre-inches
4.42 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.

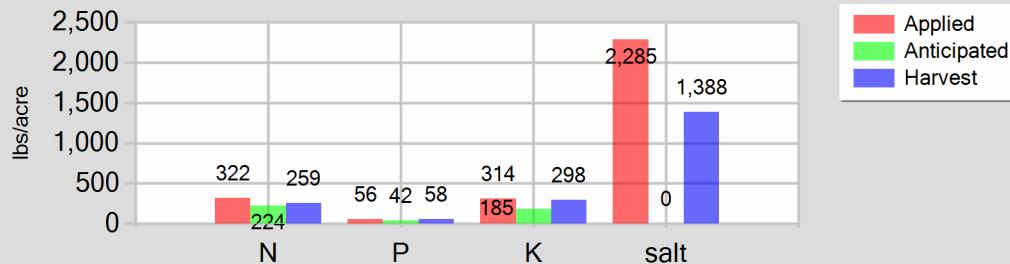
Field 1 - 06/01/2023: Corn, silage

Field name: Field 1

Crop: Corn, silage

Plant date: 06/01/2023

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	314.99	56.25	314.24	2,162.27
Fresh water	0.00	0.00	0.00	122.57
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	321.99	56.25	314.24	2,284.84
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	258.71	58.25	298.11	1,387.77
Nutrient balance	63.28	-2.00	16.12	897.07
Applied to removed ratio	1.24	0.97	1.05	1.65

Fresh water applied

18,360,000.00 gallons
676.14 acre-inches
45.08 inches/acre

Process wastewater applied

1,350,000.00 gallons
49.72 acre-inches
3.31 inches/acre

Total harvests for the crop

1 harvests

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

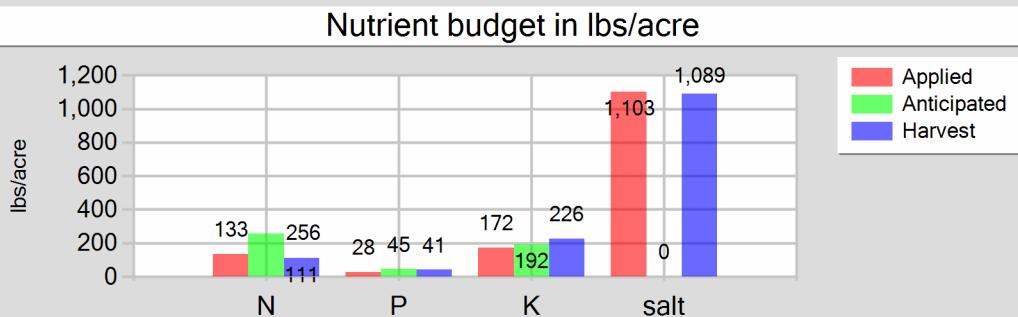
Reporting period 01/01/2023 to 12/31/2023.

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

Field name: Field 11

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	126.38	28.19	172.45	1,077.76
Fresh water	0.00	0.00	0.00	25.34
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	133.38	28.19	172.45	1,103.09
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00
Actual crop nutrient removal	111.02	41.08	226.48	1,089.11
Nutrient balance	22.36	-12.89	-54.04	13.98
Applied to removed ratio	1.20	0.69	0.76	1.01

Fresh water applied

7,590,000.00 gallons
279.51 acre-inches
9.32 inches/acre

Process wastewater applied

1,750,000.00 gallons
64.45 acre-inches
2.15 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.

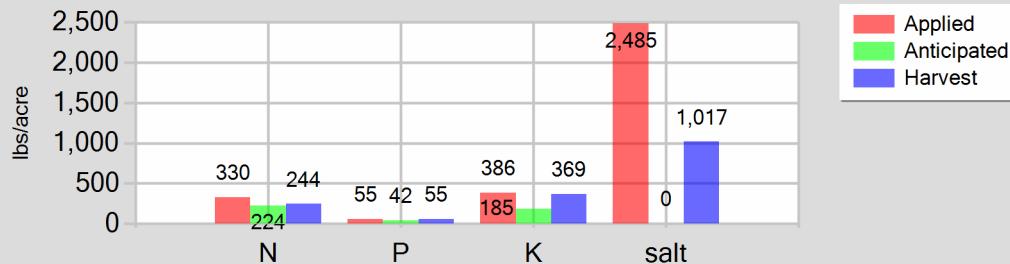
Field 11 - 06/01/2023: Corn, silage

Field name: Field 11

Crop: Corn, silage

Plant date: 06/01/2023

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	322.93	54.63	385.86	2,383.46
Fresh water	0.00	0.00	0.00	101.34
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	329.93	54.63	385.86	2,484.80
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	243.70	55.21	369.36	1,016.70
Nutrient balance	86.23	-0.58	16.50	1,468.10
Applied to removed ratio	1.35	0.99	1.04	2.44

Fresh water applied

30,360,000.00 gallons
1,118.06 acre-inches
37.27 inches/acre

Process wastewater applied

2,475,000.00 gallons
91.15 acre-inches
3.04 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.

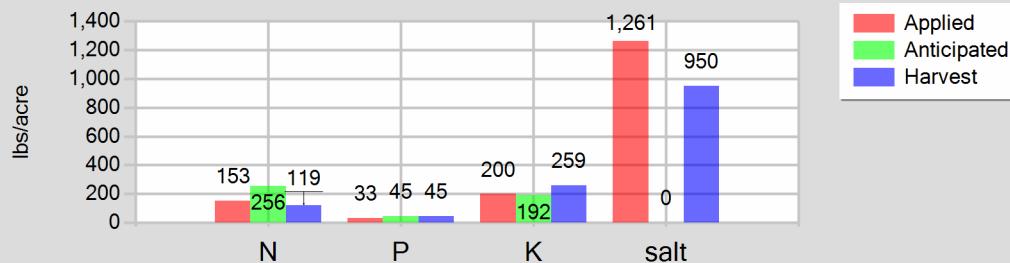
Field 12 - 11/01/2022: Wheat, silage, boot stage

Field name: Field 12

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	146.24	32.62	199.54	1,247.12
Fresh water	0.00	0.00	0.00	13.99
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	153.24	32.62	199.54	1,261.11
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00
Actual crop nutrient removal	119.05	44.89	258.59	950.44
Nutrient balance	34.19	-12.27	-59.04	310.68
Applied to removed ratio	1.29	0.73	0.77	1.33

Fresh water applied

5,590,000.00 gallons
205.86 acre-inches
5.15 inches/acre

Process wastewater applied

2,700,000.00 gallons
99.43 acre-inches
2.49 inches/acre

Total harvests for the crop

1 harvests

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

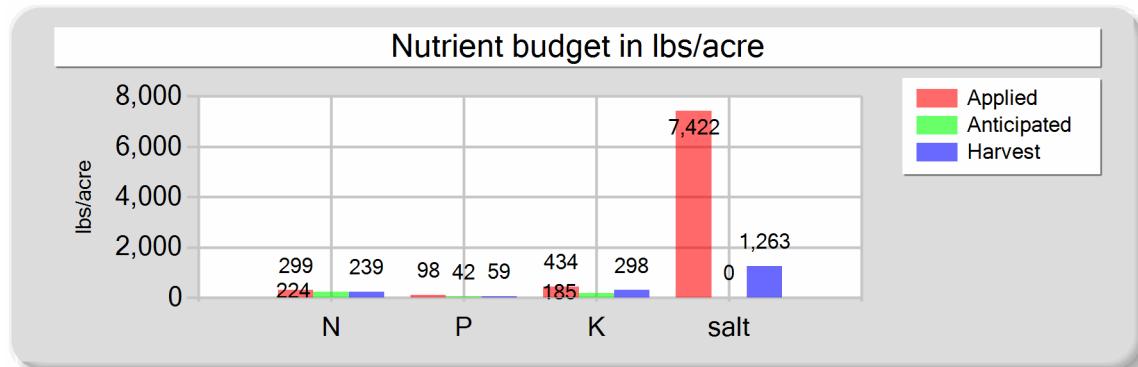
Reporting period 01/01/2023 to 12/31/2023.

Field 12 - 06/01/2023: Corn, silage

Field name: Field 12

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	144.00	73.00	247.00	6,209.10
Process wastewater	147.85	24.54	186.59	1,117.21
Fresh water	0.00	0.00	0.00	96.03
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	298.85	97.54	433.59	7,422.35
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	239.02	59.34	298.36	1,262.66
Nutrient balance	59.84	38.20	135.23	6,159.68
Applied to removed ratio	1.25	1.64	1.45	5.88

Fresh water applied
38,360,000.00 gallons
1,412.67 acre-inches
35.32 inches/acre

Process wastewater applied
1,450,000.00 gallons
53.40 acre-inches
1.33 inches/acre

Total harvests for the crop
1 harvests

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

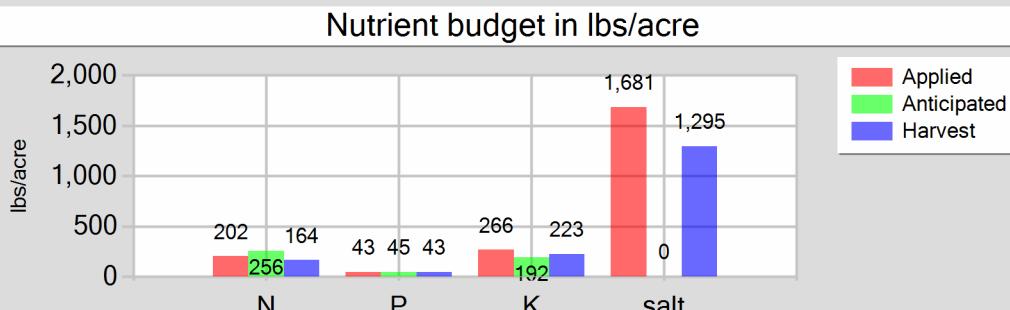
Reporting period 01/01/2023 to 12/31/2023.

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

Field name: Field 2

Crop: Wheat, silage, boot stage

Plant date: 11/01/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	194.99	43.49	266.06	1,662.82
Fresh water	0.00	0.00	0.00	18.66
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	201.99	43.49	266.06	1,681.48
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00
Actual crop nutrient removal	163.77	43.31	223.33	1,295.29
Nutrient balance	38.22	0.18	42.73	386.20
Applied to removed ratio	1.23	1.00	1.19	1.30

Fresh water applied

5,590,000.00 gallons
205.86 acre-inches
6.86 inches/acre

Process wastewater applied

2,700,000.00 gallons
99.43 acre-inches
3.31 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.

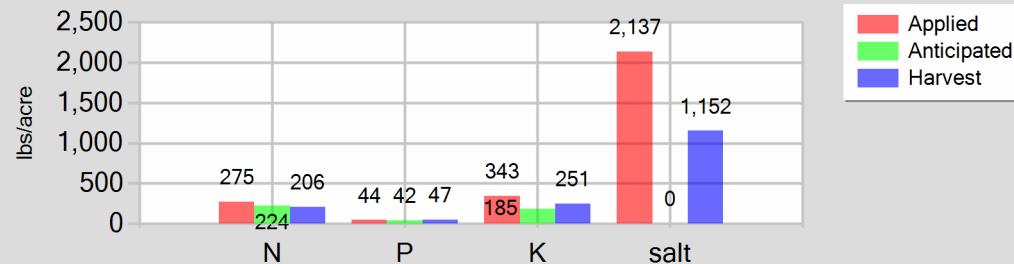
Field 2 - 06/01/2023: Corn, silage

Field name: Field 2

Crop: Corn, silage

Plant date: 06/01/2023

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	267.90	44.25	342.54	2,035.99
Fresh water	0.00	0.00	0.00	101.34
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	274.90	44.25	342.54	2,137.33
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	206.26	47.36	250.57	1,152.00
Nutrient balance	68.64	-3.11	91.97	985.33
Applied to removed ratio	1.33	0.93	1.37	1.86

Fresh water applied

30,360,000.00 gallons
1,118.06 acre-inches
37.27 inches/acre

Process wastewater applied

1,950,000.00 gallons
71.81 acre-inches
2.39 inches/acre

Total harvests for the crop

1 harvests

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

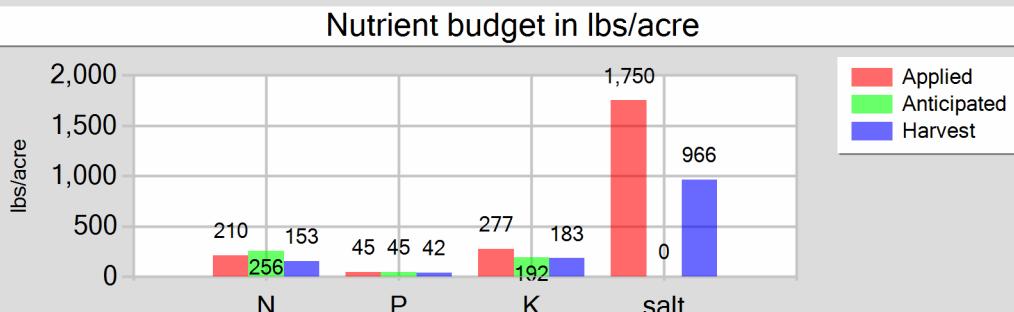
Reporting period 01/01/2023 to 12/31/2023.

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

Field name: Field 3

Crop: Wheat, silage, boot stage

Plant date: 11/01/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	203.11	45.31	277.15	1,732.11
Fresh water	0.00	0.00	0.00	17.98
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	210.11	45.31	277.15	1,750.08
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00
Actual crop nutrient removal	152.55	41.61	183.26	965.84
Nutrient balance	57.56	3.70	93.88	784.25
Applied to removed ratio	1.38	1.09	1.51	1.81

Fresh water applied

3,590,000.00 gallons
132.21 acre-inches
6.61 inches/acre

Process wastewater applied

1,875,000.00 gallons
69.05 acre-inches
3.45 inches/acre

Total harvests for the crop

1 harvests

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

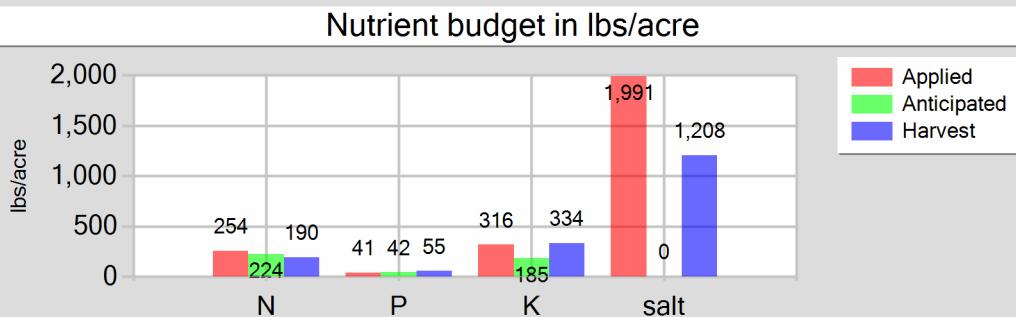
Reporting period 01/01/2023 to 12/31/2023.

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

Field name: Field 3

Crop: Corn, silage

Plant date: 06/01/2023



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	247.30	40.85	316.19	1,879.38
Fresh water	0.00	0.00	0.00	111.96
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	254.30	40.85	316.19	1,991.33
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	190.02	54.89	333.59	1,207.66
Nutrient balance	64.28	-14.05	-17.39	783.67
Applied to removed ratio	1.34	0.74	0.95	1.65

Fresh water applied

22,360,000.00 gallons
823.44 acre-inches
41.17 inches/acre

Process wastewater applied

1,200,000.00 gallons
44.19 acre-inches
2.21 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.

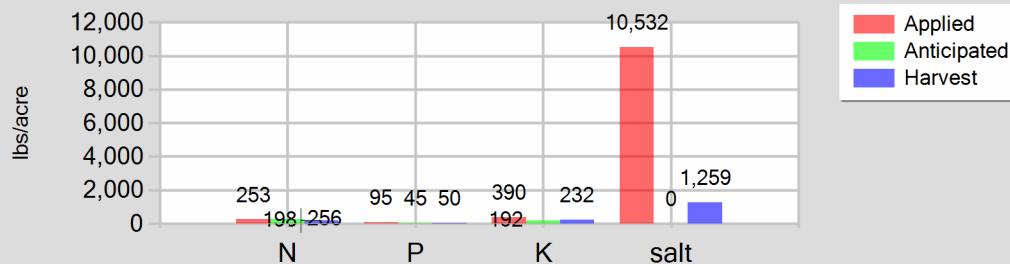
Field 4 - 11/01/2022: Wheat, silage, boot stage

Field name: Field 4

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	169.41	77.65	285.88	9,860.72
Process wastewater	76.47	17.06	104.34	652.09
Fresh water	0.00	0.00	0.00	18.79
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	252.88	94.70	390.22	10,531.60
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00
Actual crop nutrient removal	198.06	49.52	231.94	1,258.75
Nutrient balance	54.81	45.19	158.27	9,272.84
Applied to removed ratio	1.28	1.91	1.68	8.37

Fresh water applied

3,190,000.00 gallons
117.48 acre-inches
6.91 inches/acre

Process wastewater applied

600,000.00 gallons
22.10 acre-inches
1.30 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.

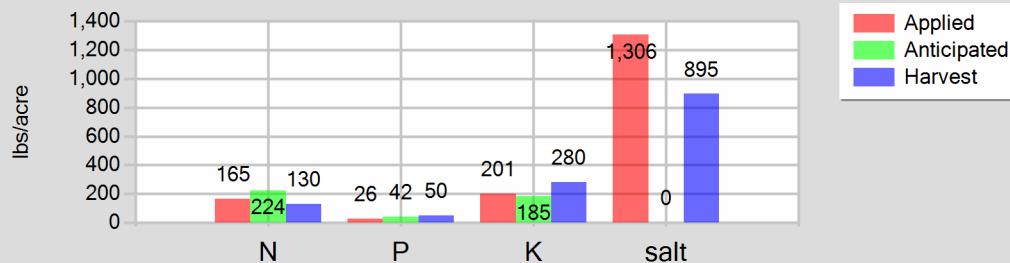
Field 4 - 06/01/2023: Corn, silage

Field name: Field 4

Crop: Corn, silage

Plant date: 06/01/2023

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	157.59	26.03	201.49	1,197.64
Fresh water	0.00	0.00	0.00	108.15
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	164.59	26.03	201.49	1,305.79
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	129.51	50.19	280.07	895.24
Nutrient balance	35.08	-24.16	-78.57	410.55
Applied to removed ratio	1.27	0.52	0.72	1.46

Fresh water applied

18,360,000.00 gallons
676.14 acre-inches
39.77 inches/acre

Process wastewater applied

650,000.00 gallons
23.94 acre-inches
1.41 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.

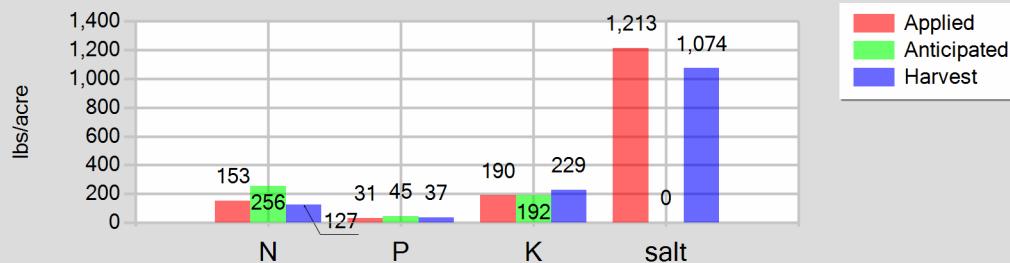
Field 7 - 11/01/2022: Wheat, silage, boot stage

Field name: Field 7

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	139.28	31.07	190.04	1,187.73
Fresh water	0.00	0.00	0.00	25.61
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	153.28	31.07	190.04	1,213.34
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00
Actual crop nutrient removal	127.11	37.15	228.79	1,073.56
Nutrient balance	26.17	-6.09	-38.75	139.78
Applied to removed ratio	1.21	0.84	0.83	1.13

Fresh water applied

1,790,000.00 gallons
65.92 acre-inches
9.42 inches/acre

Process wastewater applied

450,000.00 gallons
16.57 acre-inches
2.37 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 Manure

Sample date: 06/09/2023 Material type: Corral solids

Source of analysis: Lab analysis

Method of reporting: As-is

Moisture: 10.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	14,400.00	7,300.00	24,700.00	16,800.00	10,300.00	8,200.00	5,300.00	1,101.60		68.99
DL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00		1.00

Dry Manure

Sample and source description: Dry Manure

Sample date: 10/16/2023 Material type: Corral solids

Source of analysis: Lab analysis

Method of reporting: Dry-weight

Moisture: 16.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	9,600.00	4,400.00	16,200.00							66.60
DL	100.00	100.00	100.00							1.00

B. PROCESS WASTEWATER ANALYSES**1st Qtr WW**

Sample and source description: 1st Qtr WW

Sample date: 02/03/2023 Material type: Process wastewater

Source of analysis: Lab analysis

pH: 7.73

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	259.62	110.09	0.00	0.00	57.91	354.25								3,460.00	2,214
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: 7.68

	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	419.40	170.50	0.00	0.00	74.90	418.40	5.70	6.70	12.70	39.97	0.00	1.20	7.40	4,499.00	2,879
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: 08/28/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.63

	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	568.40	320.20	0.00	0.00	88.26	844.60								7,232.00	4,628
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: 7.43

	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	169.60	167.00	0.00	0.00	66.28	275.66								3,472.00	2,222
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: Barn

Sample date: 12/13/2023 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 (μ mhos/cm)	TDS (mg/L)
Value	0.00										260.00	
DL	0.10										1.00	

Canal**Canal**

Sample description: Canal

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

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

D. SOIL ANALYSES

No soil analyses entered.

E. PLANT TISSUE ANALYSES

Field 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.

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

1

Sample and source description: 1

Sample date: 05/09/2022 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 67.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	12,200.00	3,400.00	17,300.00		9.81
DL	100.00	100.00	100.00		1.00

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

1

Sample and source description: 1

Sample date: 09/20/2023 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	15,100.00	3,400.00	17,400.00		8.10
DL	100.00	100.00	100.00		1.00

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

11

Sample and source description: 11

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

Moisture: 66.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	10,000.00	3,700.00	20,400.00		9.81
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.

Field 11 - 06/01/2023: Corn, silage

11

Sample and source description: 11

Sample date: 09/26/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 67.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	12,800.00	2,900.00	19,400.00		5.34
DL	100.00	100.00	100.00		1.00

Field 12 - 11/01/2022: Wheat, silage, boot stage

12

Sample and source description: 12

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

Moisture: 71.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	12,200.00	4,600.00	26,500.00		9.74
DL	100.00	100.00	100.00		1.00

Field 12 - 06/01/2023: Corn, silage

12

Sample and source description: 12

Sample date: 09/07/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 70.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	14,500.00	3,600.00	18,100.00		7.66
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.

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

2

Sample and source description: 2

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

Moisture: 66.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	12,100.00	3,200.00	16,500.00		9.57
DL	100.00	100.00	100.00		1.00

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

2

Sample and source description: 2

Sample date: 09/20/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 71.3 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	13,500.00	3,100.00	16,400.00		7.54
DL	100.00	100.00	100.00		1.00

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

3

Sample and source description: 3

Sample date: 04/25/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 65.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	15,400.00	4,200.00	18,500.00		9.75
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.

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

3

Sample and source description: 3

Sample date: 09/26/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 68.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	9,000.00	2,600.00	15,800.00		5.72
DL	100.00	100.00	100.00		1.00

Field 4 - 11/01/2022: Wheat, silage, boot stage

4

Sample and source description: 4

Sample date: 04/25/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 67.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	15,200.00	3,800.00	17,800.00		9.66
DL	100.00	100.00	100.00		1.00

Field 4 - 06/01/2023: Corn, silage

4

Sample and source description: 4

Sample date: 09/26/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 64.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	8,000.00	3,100.00	17,300.00		5.53
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.

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

7

Sample and source description: 7

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

Moisture: 74.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	13,000.00	3,800.00	23,400.00		10.98
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

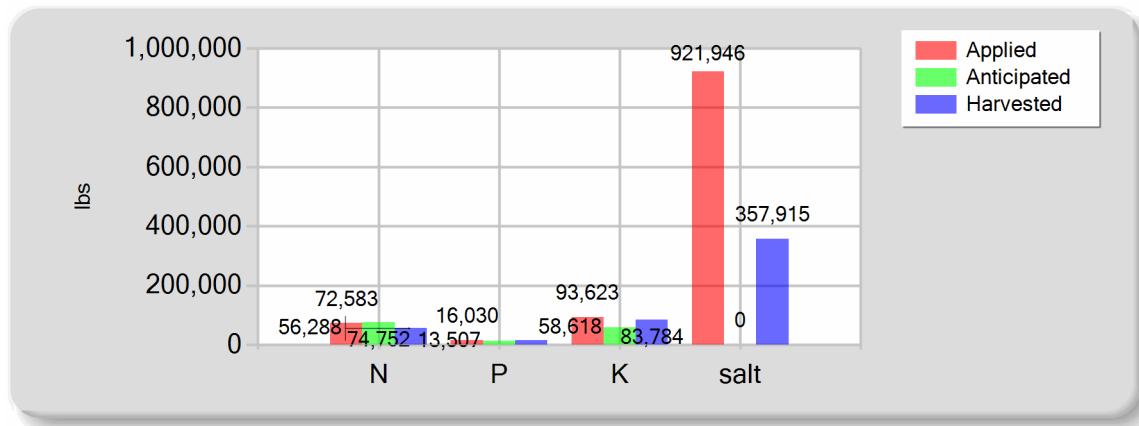
Reporting period 01/01/2023 to 12/31/2023.

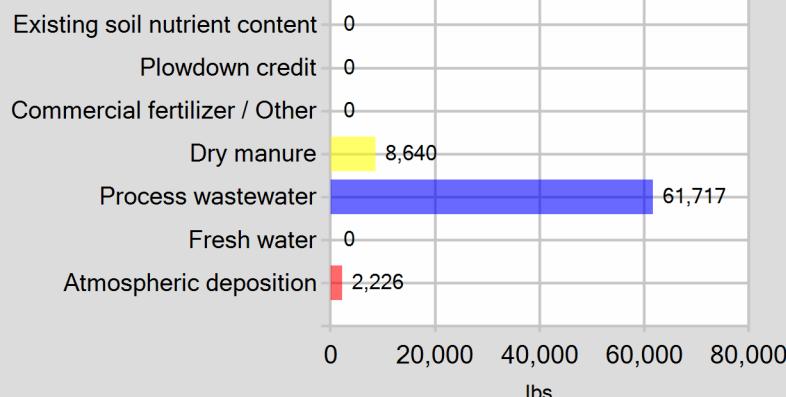
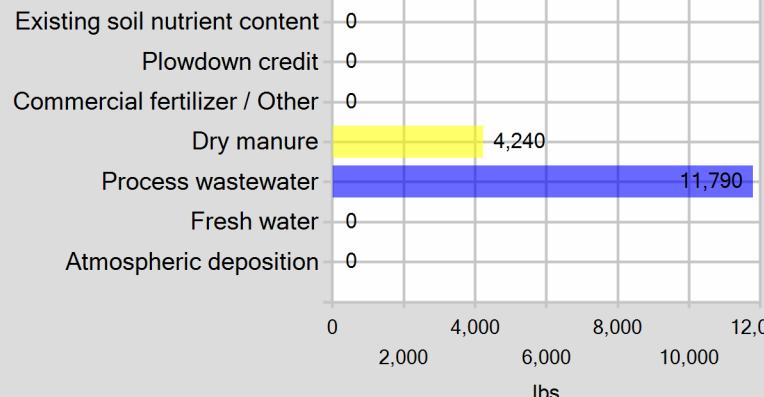
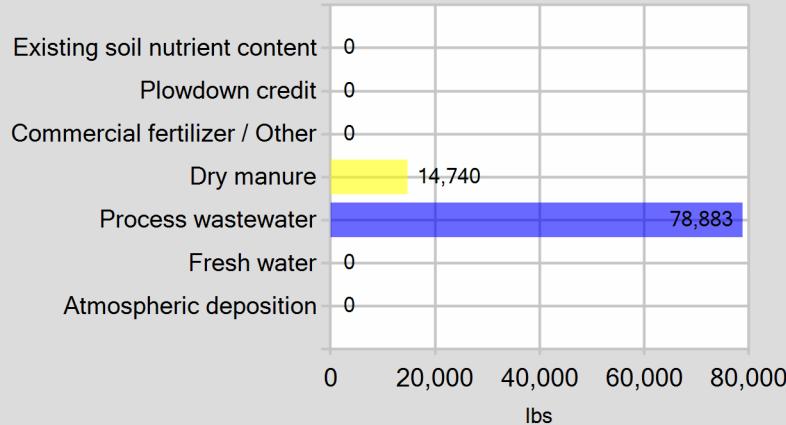
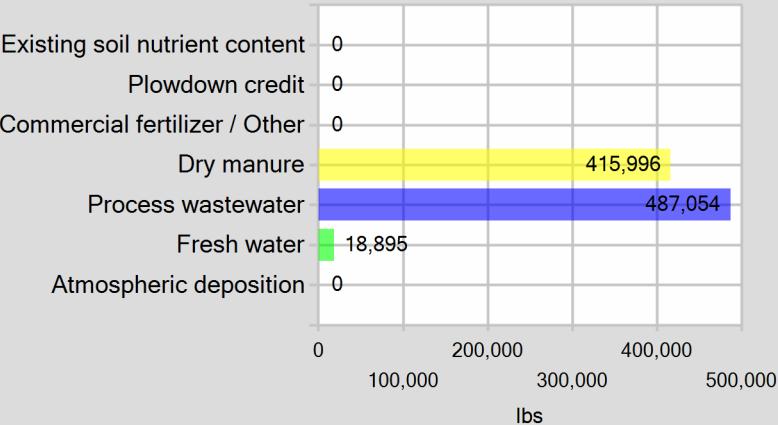
NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE

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	8,640.00	4,240.00	14,740.00	415,996.20
Process wastewater	61,716.64	11,790.01	78,883.44	487,054.05
Fresh water	0.00	0.00	0.00	18,895.42
Atmospheric deposition	2,226.00	0.00	0.00	0.00
Total nutrients applied	72,582.64	16,030.01	93,623.44	921,945.66
Anticipated crop nutrient removal	74,752.00	13,507.20	58,617.60	0.00
Actual crop nutrient removal	56,287.59	15,381.86	83,783.56	357,915.07
Nutrient balance	16,295.05	648.15	9,839.88	564,030.60
Applied to removed ratio	1.29	1.04	1.12	2.58

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 Wells were tested for Ammonia onsite with a test strip and came back negative.

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 .

The following Fields did not receive wastewater or dry manure:

Field 04-Almonds

Field 05-Almonds

Field 08-Pistachios

Field 09-Pistachios

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

CERTIFICATION

A. OWNER AND/OR OPERATOR CERTIFICATION

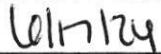
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, 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

James Netto

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.



Double N Dairy
10044 Flint Ave
Hanford, CA 93230

Account# 00-0025805
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

Received: 12/13/2023 7:00
Reported: 12/18/2023 14:46

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23L0719-01	Barn	Ag Water	Medeiros		12/12/2023 10:45
Default Cooler	Temperature on Receipt °C: 14.1				
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

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.



Double N Dairy
10044 Flint Ave
Hanford, CA 93230

Account# 00-0025805
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

Received: 12/13/2023 7:00
Reported: 12/18/2023 14:46

Sample Results

Sample: Barn
23L0719-01 (Water)

Sampled: 12/12/2023 10:45
Sampled By: Medeiros

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	0.26	mmhos/cm	0.01	1		12/13/23 18:12	SM 2510 B		BEL0498
Electrical Conductivity umhos	260	umhos/cm	10.0	1		12/13/23 18:12	SM 2510 B		BEL0498
Ammonia (as N)	ND	mg/L	0.00	1		12/12/23 10:45	Field		BEL0534
Nitrate Nitrogen as NO3N	ND	mg/L	0.1	1	10	12/14/23 02:57	EPA 300.0		BEL0444
Temperature	25.0	units	0.0	1		12/13/23 18:12	SM 4500-H+	H	BEL0498
pH	9.4	units	1.0	1		12/13/23 18:12	SM 4500-H+	H	BEL0498

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.



Double N Dairy
10044 Flint Ave
Hanford, CA 93230

Account# 00-0025805
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

Received: 12/13/2023 7:00
Reported: 12/18/2023 14:46

Quality Control

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEL0444									
Blank (BEL0444-BLK1)									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared & Analyzed: 12/13/2023				
Blank (BEL0444-BLK2)									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared & Analyzed: 12/13/2023				
Blank (BEL0444-BLK3)									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared & Analyzed: 12/13/2023				
Blank (BEL0444-BLK4)									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared: 12/13/2023 Analyzed: 12/14/2023				
LCS (BEL0444-BS1)									
Nitrate Nitrogen as NO3N	5.2	0.1	mg/L	5.000	Prepared & Analyzed: 12/13/2023	103	90-110		
LCS (BEL0444-BS2)									
Nitrate Nitrogen as NO3N	5.2	0.1	mg/L	5.000	Prepared & Analyzed: 12/13/2023	104	90-110		
LCS (BEL0444-BS3)									
Nitrate Nitrogen as NO3N	5.2	0.1	mg/L	5.000	Prepared: 12/13/2023 Analyzed: 12/14/2023	103	90-110		
Duplicate (BEL0444-DUP1)									
Nitrate Nitrogen as NO3N	0.05	0.1	mg/L	0.05	Prepared & Analyzed: 12/13/2023			3.92	10
Duplicate (BEL0444-DUP2)									
Nitrate Nitrogen as NO3N	0.05	0.1	mg/L	0.05	Prepared & Analyzed: 12/13/2023			1.98	10
Duplicate (BEL0444-DUP3)									
Nitrate Nitrogen as NO3N	0.04	0.1	mg/L	0.04	Prepared: 12/13/2023 Analyzed: 12/14/2023			0.00	10
Matrix Spike (BEL0444-MS1)									
Nitrate Nitrogen as NO3N	5.1	0.1	mg/L	5.000	Prepared & Analyzed: 12/13/2023	0.05	101	90-110	
Matrix Spike (BEL0444-MS2)									
Nitrate Nitrogen as NO3N	5.1	0.1	mg/L	5.000	Prepared & Analyzed: 12/13/2023	0.05	100	90-110	
Matrix Spike (BEL0444-MS3)									
Nitrate Nitrogen as NO3N	5.1	0.1	mg/L	5.000	Prepared: 12/13/2023 Analyzed: 12/14/2023	0.04	102	90-110	
Reference (BEL0444-SRM1)									
Nitrate Nitrogen as NO3N	10.1		mg/L	10.00	Prepared & Analyzed: 12/13/2023	101	90-110		
Reference (BEL0444-SRM2)									
Nitrate Nitrogen as NO3N	10.2		mg/L	10.00	Prepared & Analyzed: 12/13/2023	102	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.



Double N Dairy
10044 Flint Ave
Hanford, CA 93230

Account# 00-0025805
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

Received: 12/13/2023 7:00
Reported: 12/18/2023 14:46

Quality Control
(Continued)

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

Batch: BEL0444 (Continued)

Reference (BEL0444-SRM3)	Prepared & Analyzed: 12/13/2023								
Nitrate Nitrogen as NO ₃ N	10.2		mg/L	10.00	102	90-110			
Reference (BEL0444-SRM4)	Prepared: 12/13/2023 Analyzed: 12/14/2023								
Nitrate Nitrogen as NO ₃ N	10.2		mg/L	10.00	102	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.



Double N Dairy
10044 Flint Ave
Hanford, CA 93230

Account# 00-0025805
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

Received: 12/13/2023 7:00
Reported: 12/18/2023 14:46

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEL0498									
Blank (BEL0498-BLK1)									
Prepared & Analyzed: 12/13/2023									
Electrical Conductivity	ND	0.01	mmhos/cm						
Temperature	25.0	0.0	units						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
pH	5.5	1.0	units						
Blank (BEL0498-BLK2)									
Prepared & Analyzed: 12/13/2023									
Temperature	25.0	0.0	units						
Electrical Conductivity	ND	0.01	mmhos/cm						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
pH	7.7	1.0	units						
Blank (BEL0498-BLK3)									
Prepared & Analyzed: 12/13/2023									
Electrical Conductivity	ND	0.01	mmhos/cm						
Temperature	25.0	0.0	units						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
pH	7.7	1.0	units						
Duplicate (BEL0498-DUP1)									
Source: 23L0716-01									
Prepared & Analyzed: 12/13/2023									
Electrical Conductivity	2.02	0.01	mmhos/cm		2.00			0.916	10
pH	7.4	1.0	units		7.4			0.135	10
Electrical Conductivity umhos	2020	10.0	umhos/cm		2000			0.916	10
Duplicate (BEL0498-DUP2)									
Source: 23L0724-02									
Prepared & Analyzed: 12/13/2023									
Electrical Conductivity	2.08	0.01	mmhos/cm		2.04			2.11	10
Electrical Conductivity umhos	2080	10.0	umhos/cm		2040			2.11	10
pH	7.3	1.0	units		7.3			0.274	10
Reference (BEL0498-SRM1)									
Prepared & Analyzed: 12/13/2023									
Electrical Conductivity	436		umhos/cm		426.0	102	90-110		
Reference (BEL0498-SRM2)									
Prepared & Analyzed: 12/13/2023									
pH	7.5		units		7.520	100	67021-101.3%		
Reference (BEL0498-SRM3)									
Prepared & Analyzed: 12/13/2023									
Electrical Conductivity	1050		umhos/cm		1000	105	90-110		
Electrical Conductivity umhos	1050		umhos/cm		1000	105	90-110		
Reference (BEL0498-SRM4)									
Prepared & Analyzed: 12/13/2023									
Electrical Conductivity	1070		umhos/cm		1000	107	90-110		
Electrical Conductivity umhos	1070		umhos/cm		1000	107	90-110		
Reference (BEL0498-SRM5)									
Prepared & Analyzed: 12/13/2023									
Electrical Conductivity	1090		umhos/cm		1000	109	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.



Double N Dairy
10044 Flint Ave
Hanford, CA 93230

Account# 00-0025805
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

Received: 12/13/2023 7:00
Reported: 12/18/2023 14:46

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEL0498 (Continued)									
Reference (BEL0498-SRM5)									
Electrical Conductivity umhos	1090		umhos/cm	1000	109	Prepared & Analyzed: 12/13/2023	90-110		
Reference (BEL0498-SRM6)									
pH	4.0		units	4.000	101	Prepared & Analyzed: 12/13/2023	97.5-102.5		
Reference (BEL0498-SRM7)									
pH	4.0		units	4.000	101	Prepared & Analyzed: 12/13/2023	97.5-102.5		
Reference (BEL0498-SRM8)									
pH	4.0		units	4.000	100	Prepared & Analyzed: 12/13/2023	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

23L0719

WATER WORK REQUEST

Bill To: 25805 Acct No. 8

Purchase Order No. _____ Results Needed By _____

Client **Double N Dairy**
 Address **10044 Flint Ave**
 City, State, Zip **Hanford, CA 93230**
 Email **heidi@nettoag.com**

Copy to: **mel_tinamedeiros@yahoo.com**

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

Facility: _____

Date sampled _____

Sampled by **Medeiros**

QA/QC Document Copy of Chain RWQCB

DESCRIPTION OF SAMPLES

1. **Barn** Sampled From: _____

2. _____ Sampled From: _____

3. _____ Sampled From: _____

4. _____ Sampled From: _____

5. _____ Sampled From: _____

6. _____ Sampled From: _____

7. _____ Sampled From: _____

8. _____ Sampled From: _____

9. _____ Sampled From: _____

10. _____ Sampled From: _____

DELLAVALLE LABORATORY, INC.

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

No. of Samples _____	No. of Bottles _____
Water/Type:	<input type="checkbox"/> Drinking <input type="checkbox"/> Wastewater
<input checked="" type="checkbox"/> Ag Water <input type="checkbox"/> Ground Water	<input type="checkbox"/> Mon. Well
<input type="checkbox"/> Supply Water <input type="checkbox"/> Other	_____

Analysis and Bottles Required: (Please Indicate Analysis)

- EC, NO₃-N
 (I) 1 L plastic, unpreserved (white)
 DWW1: (EC, pH, NO₃-N, NH₄-N Field Test)
 (I) 1 L plastic, unpreserved (white)
 DWW2: (DWW1 Plus SO₄, CO₃, HCO₃, Cl, Ca, Mg, Na, TDS)
 (I) 1 L plastic, unpreserved (white)
- DCW1: (EC, NO₃-N, TDS)
 (I) 1 L plastic, unpreserved (white)
- DPW1: (EC, pH, NO₃-N, NH₄-N, TKN, TDS, TP, TK)
 (I) 1 L plastic, unpreserved (white)
 DPW2: (DPW1 Plus Ca, Mg, Na, HCO₃, CO₃, SO₄, Cl)
 (I) 1 L plastic, unpreserved (white)

Other

Date Sampled	Time Sampled	Field NH4-N (mg/L)	Received Temp °C
12/12/23	1045AM	0	14.1 / -0.4
_____	_____	_____	_____
_____	_____	IR Thermometer SN: 200560723	_____
_____	_____	Correction Factor: 0°C	_____
_____	_____	Calibration Due: 03/06/2024	_____
_____	_____	Location: Laboratory	_____
_____	_____	IR Thermometer SN: 221511276	_____
_____	_____	Correction Factor: 0°C	_____
_____	_____	Calibration Due: 03/06/2024	_____
_____	_____	Location: Hanford	_____

CHAIN OF CUSTODY

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First	<i>A</i>			12/12/23 11:32AM
Second	<i>M</i>	DU	12/12/23 11:32AM	
Third	<i>M</i>	O VI	12/13 07:00	
Fourth	<i>M</i>			

I guarantee that or on behalf of the client named, I have the authority to contract the above requested services. Should it be found that I do not have such authority, I agree to be personally liable for all costs and, if there should be action against me for this breach, reasonable attorney fees. It is understood that payment is expected to be cash with samples unless terms have been previously arranged. Terms are net 30 days; overdue accounts will be charged a dated damage fee of 2% per month (annually 24 %) or \$5.00 per month whichever is greater.

If payment is not made when due and a legitimate dispute exists concerning the product or services of DellaValle Laboratory, Inc., it will be submitted to mediation under the Rules and Procedures of Creative Alternative to Litigation, Inc. (cal). If the dispute is not resolved in mediation, then the dispute will be submitted to binding arbitration through cal under its Rules and Procedures. The 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:**Medeiros Pricing 2023**

Sampling Hrs	Miles	Consulting	\$ _____	In
Amt Paid	Rec By	Check No.	\$ _____	Out

Signature _____

Sample received in cooler with ice?

[] Yes [] No

ctt:update 2020



12/13/23 07:00

23L0719

Shipping Information: Shipped In <input type="checkbox"/> Picked-Up <input type="checkbox"/> Walk In <input 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 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	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 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	1 L HNO ₃ (Red)										
	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)										
Glass	40 mL VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)										
	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)										
Special	1 L AG unpreserved (White)										
	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:											

Report of Water Analysis

Double N Dairy
10044 Flint Ave
Hanford CA 93230
00-0025805 08

Lab No.: 23H1602

Sampled By:

Requested By: Christina Medeiros

Submitted Date: 08/17/23

Reported Date: 08/21/23

Project:

Crop ID:

E-mail: heidi@nettoag.com

Copy To: mel_tinamedeiros@yahoo.com

MCL---> 0.90-2.2 10.0

	Date Sampled	Time Sampled	EC dS/m	NO₃-N mg/L
1	Canal	8/16/23	15:30	0.02 ND

ND = None Detected

MCL = Maximum Contaminant Level according to the California Domestic Water Quality and Monitoring Regulations (Title 22)

Approved By:

Laboratory Director\Technical Manager

ELAP Certification #1595

A2LA Certification #6440.02