

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:** Bar E Dairy

Physical address of dairy:

6970 Corona AVE

Number and Street

Kingsburg

City

Kings

County

93631

Zip Code

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

Date facility was originally placed in operation: 06/01/1920Regional Water Quality Control Board Basin Plan designation: Tulare Basin

County Assessor Parcel Number(s) for dairy facility:

X002-X070-X068-XXXX X002-X070-X091-XXXX**B. OPERATORS**

Evangelo, Anthony

Operator name: Evangelo, AnthonyTelephone no.: (559) 583-1068

Landline

Cellular

6970 Corona AVE

Mailing Address Number and Street

Kingsburg

City

CA

State

93631

Zip Code

C. OWNERS

Evangelo Land Co.

Legal owner name: Evangelo Land Co.Telephone no.: (559) 583-1068

Landline

Cellular

6970 Corona AVE

Mailing Address Number and Street

Kingburg

City

CA

State

93631

Zip Code

This owner is responsible for paying permit fees.

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AVAILABLE NUTRIENTS

A. HERD INFORMATION

| | Milk Cows | Dry Cows | Bred Heifers (15-24 mo.) | Heifers (7-14 mo. to breeding) | Calves (4-6 mo.) | Calves (0-3 mo.) |
|-------------------------|-----------|----------|-----------------------------|-----------------------------------|---------------------|---------------------|
| Number open confinement | 0 | 138 | 0 | 0 | 0 | 0 |
| Number under roof | 938 | 0 | 0 | 0 | 0 | 0 |
| Maximum number | 1,000 | 158 | 0 | 0 | 0 | 0 |
| Average number | 969 | 148 | 0 | 0 | 0 | 0 |
| Avg live weight (lbs) | 1,400 | 1,500 | 0 | 0 | | |

Predominant milk cow breed: Jersey

Average milk production: 64 pounds per cow per day

B. MANURE GENERATED

Total manure excreted by the herd: 26,361.87 tons per reporting period

Total nitrogen from manure: 343,071.97 lbs per reporting period

After ammonia losses (30% loss applied): 240,150.38 lbs per reporting period

Total phosphorus from manure: 56,942.65 lbs per reporting period

Total potassium from manure: 181,752.64 lbs per reporting period

Total salt from manure: 490,286.25 lbs per reporting period

C. PROCESS WASTEWATER GENERATED

Process wastewater generated: 7,077,000 gallons

Total nitrogen generated: 59,266.75 lbs

Total phosphorus generated: 8,529.81 lbs

Total potassium generated: 85,572.13 lbs

Total salt generated: 400,093.10 lbs

| |
|-------------------------------|
| 7,077,000 gallons applied |
| + 0 gallons exported |
| - 0 gallons imported |
| = 7,077,000 gallons generated |

D. FRESH WATER SOURCES

| Source Description | Type |
|--------------------|---------------|
| Canal | Surface water |
| House Well | Ground water |
| Well 1 | Ground water |
| Well 3 | Ground water |
| Well 4 | Ground water |

E. SUBSURFACE (TILE) DRAINAGE SOURCES

No subsurface (tile) drainage sources entered.

F. NUTRIENT IMPORTS

No dry manure nutrient imports entered.

No process wastewater nutrient imports entered.

No commercial or other nutrient imports entered.

G. NUTRIENT EXPORTS

No solid nutrient exports entered.

No liquid nutrient exports entered.

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APPLICATION AREA

A. LIST OF LAND APPLICATION AREAS

| Field name | Controlled acres | Cropable acres | Total harvests | Type of waste applied | Parcel number |
|---|------------------|----------------|----------------|-----------------------|--|
| Field 1 | 6 | 6 | 2 | process wastewater | 0002-0070-0021-0000 |
| Field 2 | 14 | 14 | 2 | process wastewater | 0002-0070-0068-0000 |
| Field 6 | 31 | 31 | 2 | process wastewater | 0002-0110-0012-0000 0002-0110-0025-0000 |
| Field 7 | 45 | 45 | 2 | process wastewater | 0002-0110-0014-0000 0002-0110-0025-0000 |
| Totals for areas that were used for application | 96 | 96 | 8 | | |
| Totals for areas that were not used for application | | | | | |
| Land application area totals | 96 | 96 | 8 | | |

B. CROPS AND HARVESTS

Field 1

Field name: Field 1

11/12/2022: Wheat, silage, boot stage

Crop: Wheat, silage, boot stage Acres planted: 6 Plant date: 11/12/2022

| Harvest date | Yield | Reporting basis | Density (lbs/cu ft) | Moisture (%) | N (mg/kg) | P (mg/kg) | K (mg/kg) | Salt (mg/kg) | TFS (%) |
|--------------|-------------------|-----------------|---------------------|--------------|-----------|-----------|-----------|--------------|---------|
| 05/22/2023 | 141.00 <i>ton</i> | As-is | | 67.1 | 6,000.00 | 3,100.00 | 12,700.00 | | 13.30 |

| | Yield (tons/acre) | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Salt (lbs/acre) |
|------------------------------|-------------------|--------------------|--------------------|--------------------|-----------------|
| Anticipated harvest content | 24.00 | 355.20 | 148.80 | 513.60 | 0.00 |
| Total actual harvest content | 23.50 | 282.00 | 145.70 | 596.90 | 2,056.58 |

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Field 1

06/17/2023: Corn, silage

Crop: Corn, silage Acres planted: 6 Plant date: 06/17/2023

| Harvest date | Yield | Reporting basis | Density (lbs/cu ft) | Moisture (%) | N (mg/kg) | P (mg/kg) | K (mg/kg) | Salt (mg/kg) | TFS (%) |
|--------------|------------|-----------------|---------------------|--------------|-----------|-----------|-----------|--------------|---------|
| 10/04/2023 | 175.00 ton | As-is | | 68.2 | 4,400.00 | 2,200.00 | 6,300.00 | | 7.40 |

| | Yield (tons/acre) | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Salt (lbs/acre) |
|------------------------------|-------------------|--------------------|--------------------|--------------------|-----------------|
| Anticipated harvest content | 24.00 | 201.60 | 110.40 | 355.20 | 0.00 |
| Total actual harvest content | 29.17 | 256.67 | 128.33 | 367.50 | 1,372.70 |

Field 2

Field name: Field 2

11/12/2022: Wheat, silage, boot stage

Crop: Wheat, silage, boot stage Acres planted: 10 Plant date: 11/12/2022

| Harvest date | Yield | Reporting basis | Density (lbs/cu ft) | Moisture (%) | N (mg/kg) | P (mg/kg) | K (mg/kg) | Salt (mg/kg) | TFS (%) |
|--------------|------------|-----------------|---------------------|--------------|-----------|-----------|-----------|--------------|---------|
| 05/22/2023 | 214.50 ton | As-is | | 54.9 | 9,600.00 | 4,600.00 | 20,200.00 | | 11.30 |

| | Yield (tons/acre) | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Salt (lbs/acre) |
|------------------------------|-------------------|--------------------|--------------------|--------------------|-----------------|
| Anticipated harvest content | 24.00 | 355.20 | 148.80 | 513.60 | 0.00 |
| Total actual harvest content | 21.45 | 411.84 | 197.34 | 866.58 | 2,186.31 |

06/17/2023: Corn, silage

Crop: Corn, silage Acres planted: 10 Plant date: 06/17/2023

| Harvest date | Yield | Reporting basis | Density (lbs/cu ft) | Moisture (%) | N (mg/kg) | P (mg/kg) | K (mg/kg) | Salt (mg/kg) | TFS (%) |
|--------------|------------|-----------------|---------------------|--------------|-----------|-----------|-----------|--------------|---------|
| 10/04/2023 | 235.00 ton | As-is | | 65.5 | 4,800.00 | 2,500.00 | 7,600.00 | | 6.70 |

| | Yield (tons/acre) | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Salt (lbs/acre) |
|------------------------------|-------------------|--------------------|--------------------|--------------------|-----------------|
| Anticipated harvest content | 27.00 | 226.80 | 124.20 | 399.60 | 0.00 |
| Total actual harvest content | 23.50 | 225.60 | 117.50 | 357.20 | 1,086.41 |

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Field 6

Field name: Field 6

11/12/2022: Wheat, silage, boot stage

Crop: Wheat, silage, boot stage Acres planted: 31 Plant date: 11/12/2022

| Harvest date | Yield | Reporting basis | Density (lbs/cu ft) | Moisture (%) | N (mg/kg) | P (mg/kg) | K (mg/kg) | Salt (mg/kg) | TFS (%) |
|--------------|------------|-----------------|---------------------|--------------|-----------|-----------|-----------|--------------|---------|
| 05/22/2023 | 743.00 ton | As-is | | 71.1 | 5,200.00 | 2,500.00 | 10,400.00 | | 10.50 |

| | Yield (tons/acre) | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Salt (lbs/acre) |
|------------------------------|-------------------|--------------------|--------------------|--------------------|-----------------|
| Anticipated harvest content | 24.00 | 355.20 | 148.80 | 513.60 | 0.00 |
| Total actual harvest content | 23.97 | 249.26 | 119.84 | 498.53 | 1,454.60 |

06/19/2023: Corn, silage

Crop: Corn, silage Acres planted: 31 Plant date: 06/19/2023

| Harvest date | Yield | Reporting basis | Density (lbs/cu ft) | Moisture (%) | N (mg/kg) | P (mg/kg) | K (mg/kg) | Salt (mg/kg) | TFS (%) |
|--------------|------------|-----------------|---------------------|--------------|-----------|-----------|-----------|--------------|---------|
| 10/04/2023 | 853.50 ton | As-is | | 68.4 | 4,200.00 | 1,900.00 | 6,200.00 | | 6.70 |

| | Yield (tons/acre) | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Salt (lbs/acre) |
|------------------------------|-------------------|--------------------|--------------------|--------------------|-----------------|
| Anticipated harvest content | 28.00 | 235.20 | 128.80 | 414.40 | 0.00 |
| Total actual harvest content | 27.53 | 231.27 | 104.62 | 341.40 | 1,165.83 |

Field 7

Field name: Field 7

11/13/2022: Wheat, silage, boot stage

Crop: Wheat, silage, boot stage Acres planted: 45 Plant date: 11/13/2022

| Harvest date | Yield | Reporting basis | Density (lbs/cu ft) | Moisture (%) | N (mg/kg) | P (mg/kg) | K (mg/kg) | Salt (mg/kg) | TFS (%) |
|--------------|--------------|-----------------|---------------------|--------------|-----------|-----------|-----------|--------------|---------|
| 05/22/2023 | 1,018.50 ton | As-is | | 65.2 | 6,700.00 | 1,700.00 | 10,000.00 | | 9.30 |

| | Yield (tons/acre) | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Salt (lbs/acre) |
|------------------------------|-------------------|--------------------|--------------------|--------------------|-----------------|
| Anticipated harvest content | 24.00 | 355.20 | 148.80 | 513.60 | 0.00 |
| Total actual harvest content | 22.63 | 303.29 | 76.95 | 452.67 | 1,465.01 |

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Field 7

06/19/2023: Corn, silage

Crop: Corn, silage Acres planted: 45 Plant date: 06/19/2023

| Harvest date | Yield | Reporting basis | Density (lbs/cu ft) | Moisture (%) | N (mg/kg) | P (mg/kg) | K (mg/kg) | Salt (mg/kg) | TFS (%) |
|--------------|--------------|-----------------|---------------------|--------------|-----------|-----------|-----------|--------------|---------|
| 10/04/2023 | 1,325.20 ton | As-is | | 66.4 | 4,600.00 | 2,000.00 | 7,600.00 | | 8.40 |

| | Yield (tons/acre) | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Salt (lbs/acre) |
|------------------------------|-------------------|--------------------|--------------------|--------------------|-----------------|
| Anticipated harvest content | 28.00 | 235.20 | 128.80 | 414.40 | 0.00 |
| Total actual harvest content | 29.45 | 270.93 | 117.80 | 447.62 | 1,662.33 |

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NUTRIENT BUDGET

A. LAND APPLICATIONS

Field 1 - 11/12/2022: Wheat, silage, boot stage

Field name: Field 1

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

| Application date | Application method | Precipitation 24 hours prior | | Precipitation during application | | | Precipitation 24 hours following | |
|--------------------------|----------------------|------------------------------|--------------|----------------------------------|--------------|-----------------|----------------------------------|--|
| 10/10/2022 | 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 | |
| Lagoon | | Process wastewater | 106.63 | 16.01 | 171.74 | 870.38 | 84,000.00 <i>gal</i> | |
| Well 1 | | Ground water | 31.54 | 0.00 | 0.00 | 618.87 | 720,000.00 <i>gal</i> | |
| Application event totals | | | 138.17 | 16.01 | 171.74 | 1,489.25 | | |
| | | | | | | | | |
| 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 | |
| Lagoon | | Process wastewater | 115.70 | 14.37 | 149.54 | 540.92 | 84,000.00 <i>gal</i> | |
| Well 1 | | Ground water | 21.69 | 0.00 | 0.00 | 425.47 | 495,000.00 <i>gal</i> | |
| Application event totals | | | 137.38 | 14.37 | 149.54 | 966.39 | | |
| | | | | | | | | |
| 04/25/2023 | 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 | |
| Lagoon | | Process wastewater | 96.47 | 14.72 | 130.56 | 630.88 | 63,000.00 <i>gal</i> | |
| Canal | | Surface water | 0.00 | 0.00 | 0.00 | 10.23 | 540,000.00 <i>gal</i> | |
| Application event totals | | | 96.47 | 14.72 | 130.56 | 641.11 | | |

Field 1 - 06/17/2023: Corn, silage

Field name: Field 1

Crop: Corn, silage Plant date: 06/17/2023

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

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Field 1 - 06/17/2023: Corn, silage

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|--------------|-----------------|-----------------------|
| 05/25/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | | |
| Source description | | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Lagoon | | Process wastewater | 160.79 | 24.53 | 217.60 | 1,051.47 | 105,000.00 <i>gal</i> |
| Canal | | Surface water | 0.00 | 0.00 | 0.00 | 13.64 | 720,000.00 <i>gal</i> |
| Application event totals | | | 160.79 | 24.53 | 217.60 | 1,065.11 | |
| 06/12/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | | |
| Source description | | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Canal | | Surface water | 0.00 | 0.00 | 0.00 | 11.93 | 630,000.00 <i>gal</i> |
| Application event totals | | | 0.00 | 0.00 | 0.00 | 11.93 | |
| 06/24/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | | |
| Source description | | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Lagoon | | Process wastewater | 96.47 | 14.72 | 130.56 | 630.88 | 63,000.00 <i>gal</i> |
| Canal | | Surface water | 0.00 | 0.00 | 0.00 | 10.23 | 540,000.00 <i>gal</i> |
| Application event totals | | | 96.47 | 14.72 | 130.56 | 641.11 | |
| 07/06/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | | |
| Source description | | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Canal | | Surface water | 0.00 | 0.00 | 0.00 | 12.79 | 675,000.00 <i>gal</i> |
| Application event totals | | | 0.00 | 0.00 | 0.00 | 12.79 | |
| 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 |
| Lagoon | | Process wastewater | 71.07 | 7.99 | 126.18 | 549.39 | 63,000.00 <i>gal</i> |
| Canal | | Surface water | 0.00 | 0.00 | 0.00 | 11.93 | 630,000.00 <i>gal</i> |
| Application event totals | | | 71.07 | 7.99 | 126.18 | 561.33 | |

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Field 1 - 06/17/2023: Corn, silage

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|-----------------------|
| 08/01/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Canal | Surface water | 0.00 | 0.00 | 0.00 | 13.64 | 720,000.00 <i>gal</i> |
| Application event totals | | 0.00 | 0.00 | 0.00 | 13.64 | |
| 08/13/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Canal | Surface water | 0.00 | 0.00 | 0.00 | 12.79 | 675,000.00 <i>gal</i> |
| Application event totals | | 0.00 | 0.00 | 0.00 | 12.79 | |
| 08/25/2023 | 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 | 12.79 | 675,000.00 <i>gal</i> |
| Application event totals | | 0.00 | 0.00 | 0.00 | 12.79 | |
| 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 | 11.93 | 630,000.00 <i>gal</i> |
| Application event totals | | 0.00 | 0.00 | 0.00 | 11.93 | |

Field 2 - 11/12/2022: Wheat, silage, boot stage

Field name: Field 2

Crop: Wheat, silage, boot stage

Plant date: 11/12/2022

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|-------------------------|
| 10/10/2022 | 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 |
| Lagoon | Process wastewater | 127.96 | 19.21 | 206.09 | 1,044.46 | 168,000.00 <i>gal</i> |
| Well 1 | Ground water | 37.85 | 0.00 | 0.00 | 742.64 | 1,440,000.00 <i>gal</i> |
| Application event totals | | 165.81 | 19.21 | 206.09 | 1,787.10 | |

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Field 2 - 11/12/2022: Wheat, silage, boot stage

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|------------------|-------------------------|
| 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 |
| Lagoon | Process wastewater | 138.84 | 17.24 | 179.45 | 649.11 | 168,000.00 <i>gal</i> |
| Well 1 | Ground water | 26.02 | 0.00 | 0.00 | 510.56 | 990,000.00 <i>gal</i> |
| Application event totals | | 164.86 | 17.24 | 179.45 | 1,159.67 | |
| | | | | | | |
| 04/25/2023 | Surface (irrigation) | No precipitation | 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 |
| Lagoon | Process wastewater | 115.77 | 17.66 | 156.67 | 757.06 | 126,000.00 <i>gal</i> |
| Canal | Surface water | 0.00 | 0.00 | 0.00 | 12.28 | 1,080,000.00 <i>gal</i> |
| Application event totals | | 115.77 | 17.66 | 156.67 | 769.33 | |

Field 2 - 06/17/2023: Corn, silage

Field name: Field 2

Crop: Corn, silage

Plant date: 06/17/2023

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|-------------------------|
| 05/25/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Lagoon | Process wastewater | 115.77 | 17.66 | 156.67 | 757.06 | 126,000.00 <i>gal</i> |
| Canal | Surface water | 0.00 | 0.00 | 0.00 | 16.37 | 1,440,000.00 <i>gal</i> |
| Application event totals | | 115.77 | 17.66 | 156.67 | 773.43 | |
| | | | | | | |
| 06/12/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Canal | Surface water | 0.00 | 0.00 | 0.00 | 12.79 | 1,125,000.00 <i>gal</i> |
| Application event totals | | 0.00 | 0.00 | 0.00 | 12.79 | |

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Field 2 - 06/17/2023: Corn, silage

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|-------------------------|
| 06/24/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Lagoon | Process wastewater | 96.47 | 14.72 | 130.56 | 630.88 | 105,000.00 <i>gal</i> |
| Canal | Surface water | 0.00 | 0.00 | 0.00 | 12.28 | 1,080,000.00 <i>gal</i> |
| Application event totals | | 96.47 | 14.72 | 130.56 | 643.16 | |
| | | | | | | |
| 07/06/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Canal | Surface water | 0.00 | 0.00 | 0.00 | 13.30 | 1,170,000.00 <i>gal</i> |
| Application event totals | | 0.00 | 0.00 | 0.00 | 13.30 | |
| | | | | | | |
| 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 |
| Lagoon | Process wastewater | 71.07 | 7.99 | 126.18 | 549.39 | 105,000.00 <i>gal</i> |
| Canal | Surface water | 0.00 | 0.00 | 0.00 | 12.28 | 1,080,000.00 <i>gal</i> |
| Application event totals | | 71.07 | 7.99 | 126.18 | 561.67 | |
| | | | | | | |
| 08/01/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Canal | Surface water | 0.00 | 0.00 | 0.00 | 13.30 | 1,170,000.00 <i>gal</i> |
| Application event totals | | 0.00 | 0.00 | 0.00 | 13.30 | |
| | | | | | | |
| 08/13/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Canal | Surface water | 0.00 | 0.00 | 0.00 | 12.79 | 1,125,000.00 <i>gal</i> |
| Application event totals | | 0.00 | 0.00 | 0.00 | 12.79 | |
| | | | | | | |
| 08/25/2023 | 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 | 12.79 | 1,125,000.00 <i>gal</i> |
| Application event totals | | 0.00 | 0.00 | 0.00 | 12.79 | |

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

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

Field 2 - 06/17/2023: 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 | 12.28 | 1,080,000.00 <i>gal</i> |
| Application event totals | | | 0.00 | 0.00 | 0.00 | 12.28 | |

Field 6 - 11/12/2022: Wheat, silage, boot stage

Field name: Field 6

Crop: Wheat, silage, boot stage

Plant date: 11/12/2022

| Application date | Application method | | Precipitation 24 hours prior | Precipitation during application | | | Precipitation 24 hours following |
|--------------------------|----------------------|--------------------|------------------------------|----------------------------------|--------------|-----------------|----------------------------------|
| 10/11/2022 | Surface (irrigation) | | No precipitation | No precipitation | | | No precipitation |
| | | | | | | | |
| Source description | | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Lagoon | | Process wastewater | 123.83 | 18.59 | 199.44 | 1,010.77 | 504,000.00 <i>gal</i> |
| Well 1 | | Ground water | 36.63 | 0.00 | 0.00 | 718.68 | 4,320,000.00 <i>gal</i> |
| Application event totals | | | 160.46 | 18.59 | 199.44 | 1,729.45 | |
| | | | | | | | |
| 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 |
| Lagoon | | Process wastewater | 67.18 | 8.34 | 86.83 | 314.08 | 252,000.00 <i>gal</i> |
| Well 1 | | Ground water | 32.43 | 0.00 | 0.00 | 636.33 | 3,825,000.00 <i>gal</i> |
| Application event totals | | | 99.61 | 8.34 | 86.83 | 950.42 | |
| | | | | | | | |
| 04/25/2023 | 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 |
| Lagoon | | Process wastewater | 74.69 | 11.40 | 101.08 | 488.42 | 252,000.00 <i>gal</i> |
| Canal | | Surface water | 0.00 | 0.00 | 0.00 | 13.86 | 3,780,000.00 <i>gal</i> |
| Application event totals | | | 74.69 | 11.40 | 101.08 | 502.28 | |

Field 6 - 06/19/2023: Corn, silage

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

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

Field 6 - 06/19/2023: Corn, silage

Field name: Field 6

Crop: Corn, silage

Plant date: 06/19/2023

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|-------------------------|
| 05/26/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Lagoon | Process wastewater | 136.93 | 20.89 | 185.31 | 895.45 | 462,000.00 <i>gal</i> |
| Canal | Surface water | 0.00 | 0.00 | 0.00 | 13.86 | 3,780,000.00 <i>gal</i> |
| Application event totals | | 136.93 | 20.89 | 185.31 | 909.30 | |
| | | | | | | |
| 06/12/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Canal | Surface water | 0.00 | 0.00 | 0.00 | 12.54 | 3,420,000.00 <i>gal</i> |
| Application event totals | | 0.00 | 0.00 | 0.00 | 12.54 | |
| | | | | | | |
| 06/24/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Lagoon | Process wastewater | 99.58 | 15.20 | 134.77 | 651.23 | 336,000.00 <i>gal</i> |
| Canal | Surface water | 0.00 | 0.00 | 0.00 | 11.88 | 3,240,000.00 <i>gal</i> |
| Application event totals | | 99.58 | 15.20 | 134.77 | 663.11 | |
| | | | | | | |
| 07/06/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Canal | Surface water | 0.00 | 0.00 | 0.00 | 12.70 | 3,465,000.00 <i>gal</i> |
| Application event totals | | 0.00 | 0.00 | 0.00 | 12.70 | |
| | | | | | | |
| 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 |
| Lagoon | Process wastewater | 59.61 | 6.70 | 105.83 | 460.78 | 273,000.00 <i>gal</i> |
| Canal | Surface water | 0.00 | 0.00 | 0.00 | 11.55 | 3,150,000.00 <i>gal</i> |
| Application event totals | | 59.61 | 6.70 | 105.83 | 472.33 | |

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

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

Field 6 - 06/19/2023: Corn, silage

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|-------------------------|
| 08/01/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Canal | Surface water | 0.00 | 0.00 | 0.00 | 12.87 | 3,510,000.00 <i>gal</i> |
| Application event totals | | 0.00 | 0.00 | 0.00 | 12.87 | |
| | | | | | | |
| 08/13/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Canal | Surface water | 0.00 | 0.00 | 0.00 | 12.70 | 3,465,000.00 <i>gal</i> |
| Application event totals | | 0.00 | 0.00 | 0.00 | 12.70 | |
| | | | | | | |
| 08/25/2023 | 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 | 12.54 | 3,420,000.00 <i>gal</i> |
| Application event totals | | 0.00 | 0.00 | 0.00 | 12.54 | |
| | | | | | | |
| 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 | 12.54 | 3,420,000.00 <i>gal</i> |
| Application event totals | | 0.00 | 0.00 | 0.00 | 12.54 | |

Field 7 - 11/13/2022: Wheat, silage, boot stage

Field name: Field 7

Crop: Wheat, silage, boot stage

Plant date: 11/13/2022

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following |
|------------------|----------------------|------------------------------|----------------------------------|----------------------------------|
| 10/11/2022 | Surface (irrigation) | No precipitation | No precipitation | No precipitation |

| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
|--------------------------|--------------------|--------------|--------------|--------------|-----------------|-------------------------|
| Lagoon | Process wastewater | 156.39 | 23.48 | 251.89 | 1,276.56 | 924,000.00 <i>gal</i> |
| Well 1 | Ground water | 28.92 | 0.00 | 0.00 | 567.29 | 4,950,000.00 <i>gal</i> |
| Application event totals | | 185.31 | 23.48 | 251.89 | 1,843.86 | |

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

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

Field 7 - 11/13/2022: Wheat, silage, boot stage

| Application date | Application method | Precipitation 24 hours prior | | Precipitation during application | | | Precipitation 24 hours following | |
|--------------------------|----------------------|------------------------------|--------------|----------------------------------|--------------|-----------------|----------------------------------|--|
| 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 | |
| Lagoon | | Process wastewater | 92.56 | 11.50 | 119.63 | 432.74 | 504,000.00 <i>gal</i> | |
| Well 1 | | Ground water | 28.13 | 0.00 | 0.00 | 551.82 | 4,815,000.00 <i>gal</i> | |
| Application event totals | | | 120.68 | 11.50 | 119.63 | 984.56 | | |
| 04/25/2023 | 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 | |
| Lagoon | | Process wastewater | 102.90 | 15.70 | 139.26 | 672.94 | 504,000.00 <i>gal</i> | |
| Canal | | Surface water | 0.00 | 0.00 | 0.00 | 12.28 | 4,860,000.00 <i>gal</i> | |
| Application event totals | | | 102.90 | 15.70 | 139.26 | 685.22 | | |

Field 7 - 06/19/2023: Corn, silage

Field name: Field 7

Crop: Corn, silage

Plant date: 06/19/2023

| Application date | Application method | Precipitation 24 hours prior | | Precipitation during application | | | Precipitation 24 hours following | |
|--------------------------|----------------------|------------------------------|--------------|----------------------------------|--------------|-----------------|----------------------------------|--|
| 05/28/2023 | Surface (irrigation) | No precipitation | | No precipitation | | | No precipitation | |
| Source description | | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount | |
| Lagoon | | Process wastewater | 154.36 | 23.55 | 208.89 | 1,009.41 | 756,000.00 <i>gal</i> | |
| Canal | | Surface water | 0.00 | 0.00 | 0.00 | 12.62 | 4,995,000.00 <i>gal</i> | |
| Application event totals | | | 154.36 | 23.55 | 208.89 | 1,022.03 | | |
| 06/14/2023 | 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 | 12.96 | 5,130,000.00 <i>gal</i> | |
| Application event totals | | | 0.00 | 0.00 | 0.00 | 12.96 | | |

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

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

Field 7 - 06/19/2023: Corn, silage

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|-------------------------|
| 06/26/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Lagoon | Process wastewater | 120.05 | 18.32 | 162.47 | 785.10 | 588,000.00 <i>gal</i> |
| Canal | Surface water | 0.00 | 0.00 | 0.00 | 12.28 | 4,860,000.00 <i>gal</i> |
| Application event totals | | 120.05 | 18.32 | 162.47 | 797.37 | |
| | | | | | | |
| 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 |
| Canal | Surface water | 0.00 | 0.00 | 0.00 | 13.18 | 5,220,000.00 <i>gal</i> |
| Application event totals | | 0.00 | 0.00 | 0.00 | 13.18 | |
| | | | | | | |
| 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 |
| Lagoon | Process wastewater | 69.49 | 7.81 | 123.37 | 537.18 | 462,000.00 <i>gal</i> |
| Canal | Surface water | 0.00 | 0.00 | 0.00 | 12.16 | 4,815,000.00 <i>gal</i> |
| Application event totals | | 69.49 | 7.81 | 123.37 | 549.35 | |
| | | | | | | |
| 08/03/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Canal | Surface water | 0.00 | 0.00 | 0.00 | 12.96 | 5,130,000.00 <i>gal</i> |
| Application event totals | | 0.00 | 0.00 | 0.00 | 12.96 | |
| | | | | | | |
| 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 |
| Canal | Surface water | 0.00 | 0.00 | 0.00 | 13.41 | 5,310,000.00 <i>gal</i> |
| Application event totals | | 0.00 | 0.00 | 0.00 | 13.41 | |
| | | | | | | |
| 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 | 13.18 | 5,220,000.00 <i>gal</i> |
| Application event totals | | 0.00 | 0.00 | 0.00 | 13.18 | |

Annual Report - General Order No. R5-2007-0035*Reporting period 01/01/2023 to 12/31/2023.***Field 7 - 06/19/2023: Corn, silage**

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following |
|------------------|----------------------|------------------------------|----------------------------------|----------------------------------|
| 09/09/2023 | 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 |
|--------------------------|---------------|--------------|--------------|--------------|-----------------|-------------------------|
| Canal | Surface water | 0.00 | 0.00 | 0.00 | 13.07 | 5,175,000.00 <i>gal</i> |
| Application event totals | | 0.00 | 0.00 | 0.00 | 13.07 | |

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

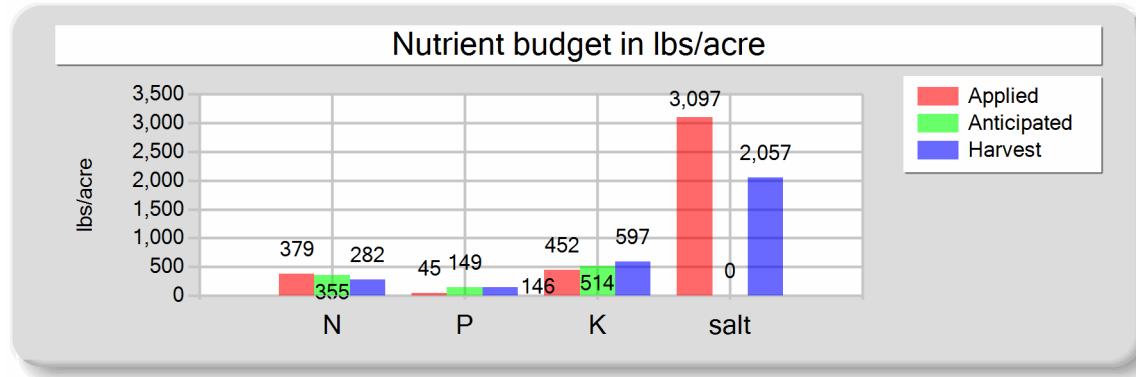
B. NUTRIENT BUDGET

Field 1 - 11/12/2022: Wheat, silage, boot stage

Field name: Field 1

Crop: Wheat, silage, boot stage

Plant date: 11/12/2022



| | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Total salt (lbs/acre) | Fresh water applied |
|-----------------------------------|--------------------|--------------------|--------------------|-----------------------|-----------------------------|
| Existing soil nutrient content | 0.00 | 0.00 | 0.00 | 0.00 | 1,755,000.00 <i>gallons</i> |
| Plowdown credit | 0.00 | 0.00 | 0.00 | 0.00 | 64.63 <i>acre-inches</i> |
| Commercial fertilizer / Other | 0.00 | 0.00 | 0.00 | 0.00 | 10.77 <i>inches/acre</i> |
| Dry manure | 0.00 | 0.00 | 0.00 | 0.00 | |
| Process wastewater | 318.80 | 45.10 | 451.84 | 2,042.19 | Process wastewater applied |
| Fresh water | 53.23 | 0.00 | 0.00 | 1,054.56 | 231,000.00 <i>gallons</i> |
| Atmospheric deposition | 7.00 | 0.00 | 0.00 | 0.00 | 8.51 <i>acre-inches</i> |
| Total nutrients applied | 379.03 | 45.10 | 451.84 | 3,096.75 | 1.42 <i>inches/acre</i> |
| Anticipated crop nutrient removal | 355.20 | 148.80 | 513.60 | 0.00 | |
| Actual crop nutrient removal | 282.00 | 145.70 | 596.90 | 2,056.58 | Total harvests for the crop |
| Nutrient balance | 97.03 | -100.60 | -145.06 | 1,040.17 | 1 <i>harvests</i> |
| Applied to removed ratio | 1.34 | 0.31 | 0.76 | 1.51 | |

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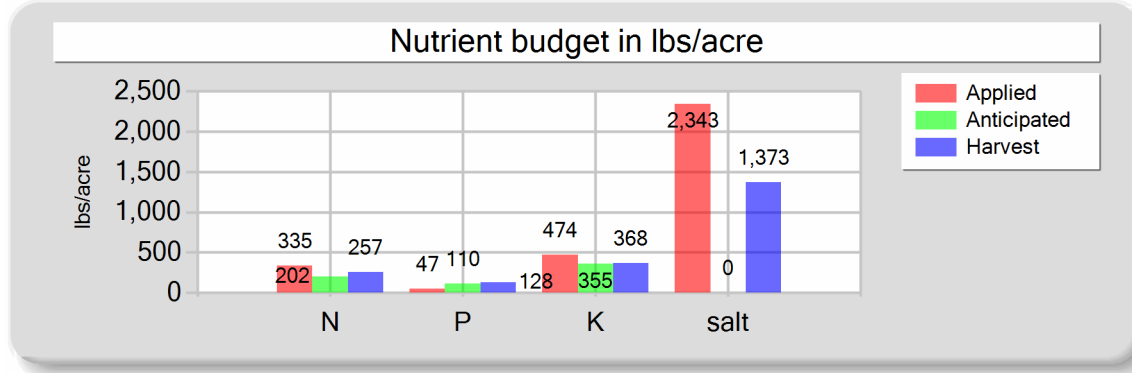
Reporting period 01/01/2023 to 12/31/2023.

Field 1 - 06/17/2023: Corn, silage

Field name: Field 1

Crop: Corn, silage

Plant date: 06/17/2023



| | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Total salt (lbs/acre) |
|-----------------------------------|--------------------|--------------------|--------------------|-----------------------|
| Existing soil nutrient content | 0.00 | 0.00 | 0.00 | 0.00 |
| Plowdown credit | 0.00 | 0.00 | 0.00 | 0.00 |
| Commercial fertilizer / Other | 0.00 | 0.00 | 0.00 | 0.00 |
| Dry manure | 0.00 | 0.00 | 0.00 | 0.00 |
| Process wastewater | 328.33 | 47.25 | 474.33 | 2,231.75 |
| Fresh water | 0.00 | 0.00 | 0.00 | 111.67 |
| Atmospheric deposition | 7.00 | 0.00 | 0.00 | 0.00 |
| Total nutrients applied | 335.33 | 47.25 | 474.33 | 2,343.41 |
| Anticipated crop nutrient removal | 201.60 | 110.40 | 355.20 | 0.00 |
| Actual crop nutrient removal | 256.67 | 128.33 | 367.50 | 1,372.70 |
| Nutrient balance | 78.66 | -81.09 | 106.83 | 970.71 |
| Applied to removed ratio | 1.31 | 0.37 | 1.29 | 1.71 |

| |
|-----------------------------|
| Fresh water applied |
| 5,895,000.00 <i>gallons</i> |
| 217.09 <i>acre-inches</i> |
| 36.18 <i>inches/acre</i> |

| |
|----------------------------|
| Process wastewater applied |
| 231,000.00 <i>gallons</i> |
| 8.51 <i>acre-inches</i> |
| 1.42 <i>inches/acre</i> |

| |
|-----------------------------|
| Total harvests for the crop |
| 1 <i>harvests</i> |

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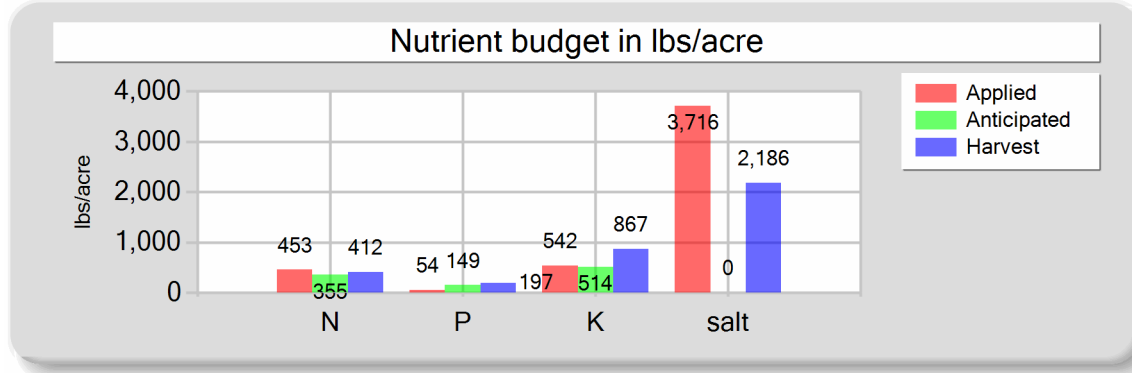
Reporting period 01/01/2023 to 12/31/2023.

Field 2 - 11/12/2022: Wheat, silage, boot stage

Field name: Field 2

Crop: Wheat, silage, boot stage

Plant date: 11/12/2022



| | 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 | 382.56 | 54.12 | 542.21 | 2,450.63 |
| Fresh water | 63.88 | 0.00 | 0.00 | 1,265.48 |
| Atmospheric deposition | 7.00 | 0.00 | 0.00 | 0.00 |
| Total nutrients applied | 453.44 | 54.12 | 542.21 | 3,716.10 |
| Anticipated crop nutrient removal | 355.20 | 148.80 | 513.60 | 0.00 |
| Actual crop nutrient removal | 411.84 | 197.34 | 866.58 | 2,186.31 |
| Nutrient balance | 41.60 | -143.22 | -324.37 | 1,529.79 |
| Applied to removed ratio | 1.10 | 0.27 | 0.63 | 1.70 |

| Fresh water applied |
|-----------------------------|
| 3,510,000.00 <i>gallons</i> |
| 129.26 <i>acre-inches</i> |
| 12.93 <i>inches/acre</i> |

| Process wastewater applied |
|----------------------------|
| 462,000.00 <i>gallons</i> |
| 17.01 <i>acre-inches</i> |
| 1.70 <i>inches/acre</i> |

| Total harvests for the crop |
|-----------------------------|
| 1 <i>harvests</i> |

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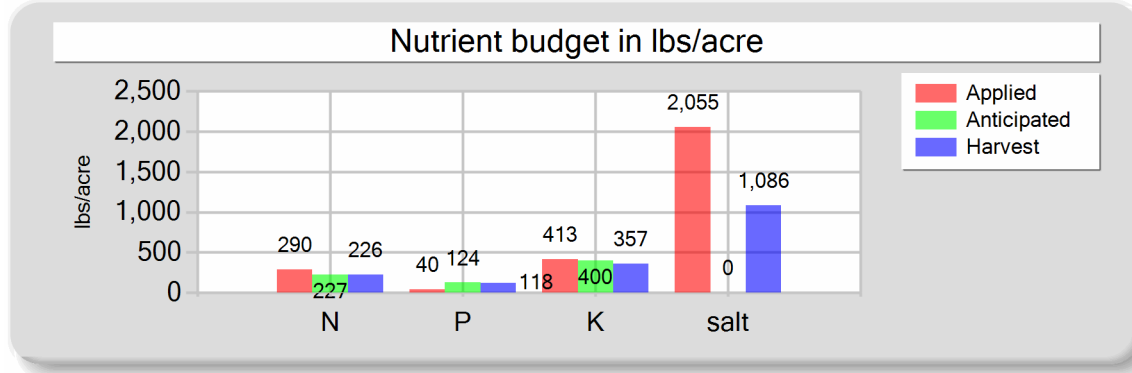
Reporting period 01/01/2023 to 12/31/2023.

Field 2 - 06/17/2023: Corn, silage

Field name: Field 2

Crop: Corn, silage

Plant date: 06/17/2023



| | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Total salt (lbs/acre) | Fresh water applied |
|-----------------------------------|--------------------|--------------------|--------------------|-----------------------|------------------------------|
| Existing soil nutrient content | 0.00 | 0.00 | 0.00 | 0.00 | 10,395,000.00 <i>gallons</i> |
| Plowdown credit | 0.00 | 0.00 | 0.00 | 0.00 | 382.81 <i>acre-inches</i> |
| Commercial fertilizer / Other | 0.00 | 0.00 | 0.00 | 0.00 | 38.28 <i>inches/acre</i> |
| Dry manure | 0.00 | 0.00 | 0.00 | 0.00 | |
| Process wastewater | 283.31 | 40.38 | 413.40 | 1,937.33 | |
| Fresh water | 0.00 | 0.00 | 0.00 | 118.15 | |
| Atmospheric deposition | 7.00 | 0.00 | 0.00 | 0.00 | |
| Total nutrients applied | 290.31 | 40.38 | 413.40 | 2,055.48 | |
| Anticipated crop nutrient removal | 226.80 | 124.20 | 399.60 | 0.00 | |
| Actual crop nutrient removal | 225.60 | 117.50 | 357.20 | 1,086.41 | |
| Nutrient balance | 64.71 | -77.12 | 56.20 | 969.08 | |
| Applied to removed ratio | 1.29 | 0.34 | 1.16 | 1.89 | |
| | | | | | Process wastewater applied |
| | | | | | 336,000.00 <i>gallons</i> |
| | | | | | 12.37 <i>acre-inches</i> |
| | | | | | 1.24 <i>inches/acre</i> |
| | | | | | Total harvests for the crop |
| | | | | | 1 <i>harvests</i> |

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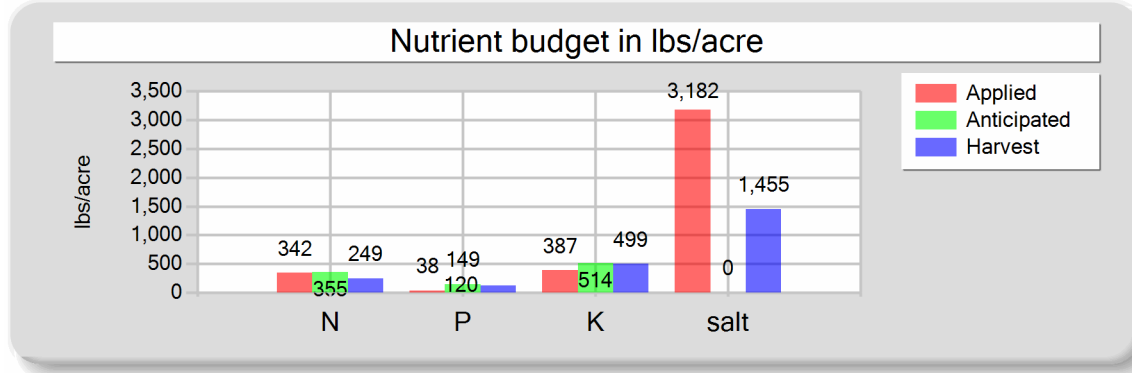
Reporting period 01/01/2023 to 12/31/2023.

Field 6 - 11/12/2022: Wheat, silage, boot stage

Field name: Field 6

Crop: Wheat, silage, boot stage

Plant date: 11/12/2022



| | 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 | 265.70 | 38.33 | 387.35 | 1,813.28 |
| Fresh water | 69.07 | 0.00 | 0.00 | 1,368.87 |
| Atmospheric deposition | 7.00 | 0.00 | 0.00 | 0.00 |
| Total nutrients applied | 341.76 | 38.33 | 387.35 | 3,182.15 |
| Anticipated crop nutrient removal | 355.20 | 148.80 | 513.60 | 0.00 |
| Actual crop nutrient removal | 249.26 | 119.84 | 498.53 | 1,454.60 |
| Nutrient balance | 92.50 | -81.51 | -111.18 | 1,727.55 |
| Applied to removed ratio | 1.37 | 0.32 | 0.78 | 2.19 |

| Fresh water applied |
|------------------------------|
| 11,925,000.00 <i>gallons</i> |
| 439.16 <i>acre-inches</i> |
| 14.17 <i>inches/acre</i> |

| Process wastewater applied |
|-----------------------------|
| 1,008,000.00 <i>gallons</i> |
| 37.12 <i>acre-inches</i> |
| 1.20 <i>inches/acre</i> |

| Total harvests for the crop |
|-----------------------------|
| 1 <i>harvests</i> |

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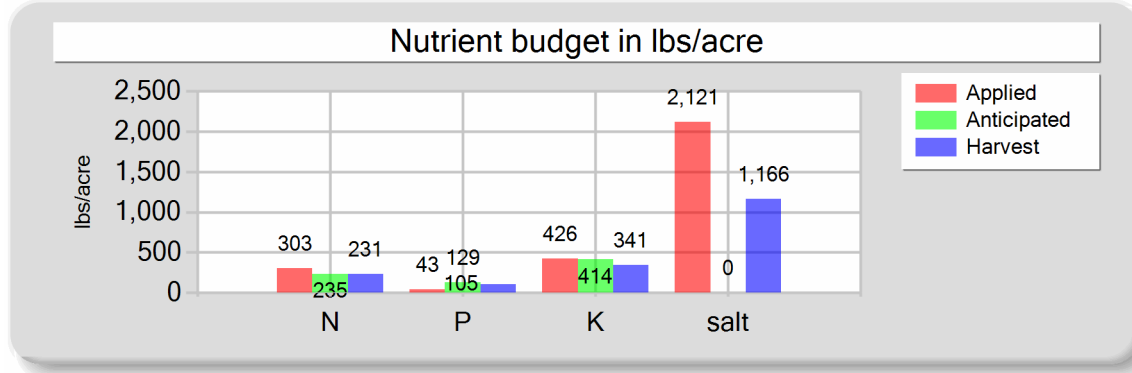
Reporting period 01/01/2023 to 12/31/2023.

Field 6 - 06/19/2023: Corn, silage

Field name: Field 6

Crop: Corn, silage

Plant date: 06/19/2023



| | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Total salt (lbs/acre) | Fresh water applied |
|-----------------------------------|--------------------|--------------------|--------------------|-----------------------|------------------------------|
| Existing soil nutrient content | 0.00 | 0.00 | 0.00 | 0.00 | 30,870,000.00 <i>gallons</i> |
| Plowdown credit | 0.00 | 0.00 | 0.00 | 0.00 | 1,136.84 <i>acre-inches</i> |
| Commercial fertilizer / Other | 0.00 | 0.00 | 0.00 | 0.00 | 36.67 <i>inches/acre</i> |
| Dry manure | 0.00 | 0.00 | 0.00 | 0.00 | |
| Process wastewater | 296.12 | 42.79 | 425.90 | 2,007.46 | Process wastewater applied |
| Fresh water | 0.00 | 0.00 | 0.00 | 113.18 | 1,071,000.00 <i>gallons</i> |
| Atmospheric deposition | 7.00 | 0.00 | 0.00 | 0.00 | 39.44 <i>acre-inches</i> |
| Total nutrients applied | 303.12 | 42.79 | 425.90 | 2,120.64 | 1.27 <i>inches/acre</i> |
| Anticipated crop nutrient removal | 235.20 | 128.80 | 414.40 | 0.00 | |
| Actual crop nutrient removal | 231.27 | 104.62 | 341.40 | 1,165.83 | Total harvests for the crop |
| Nutrient balance | 71.85 | -61.83 | 84.50 | 954.82 | 1 <i>harvests</i> |
| Applied to removed ratio | 1.31 | 0.41 | 1.25 | 1.82 | |

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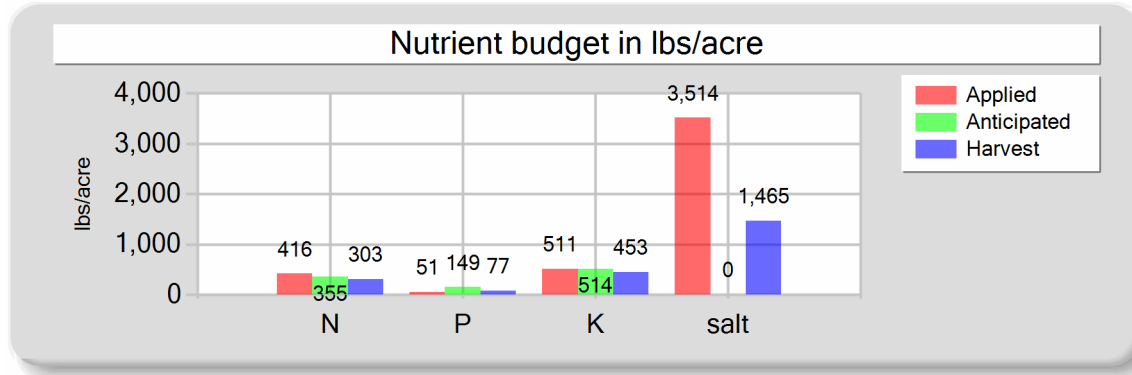
Reporting period 01/01/2023 to 12/31/2023.

Field 7 - 11/13/2022: Wheat, silage, boot stage

Field name: Field 7

Crop: Wheat, silage, boot stage

Plant date: 11/13/2022



| | 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 | 351.85 | 50.67 | 510.78 | 2,382.24 |
| Fresh water | 57.04 | 0.00 | 0.00 | 1,131.39 |
| Atmospheric deposition | 7.00 | 0.00 | 0.00 | 0.00 |
| Total nutrients applied | 415.90 | 50.67 | 510.78 | 3,513.63 |
| Anticipated crop nutrient removal | 355.20 | 148.80 | 513.60 | 0.00 |
| Actual crop nutrient removal | 303.29 | 76.95 | 452.67 | 1,465.01 |
| Nutrient balance | 112.61 | -26.28 | 58.11 | 2,048.62 |
| Applied to removed ratio | 1.37 | 0.66 | 1.13 | 2.40 |

| Fresh water applied |
|------------------------------|
| 14,625,000.00 <i>gallons</i> |
| 538.59 <i>acre-inches</i> |
| 11.97 <i>inches/acre</i> |

| Process wastewater applied |
|-----------------------------|
| 1,932,000.00 <i>gallons</i> |
| 71.15 <i>acre-inches</i> |
| 1.58 <i>inches/acre</i> |

| Total harvests for the crop |
|-----------------------------|
| 1 <i>harvests</i> |

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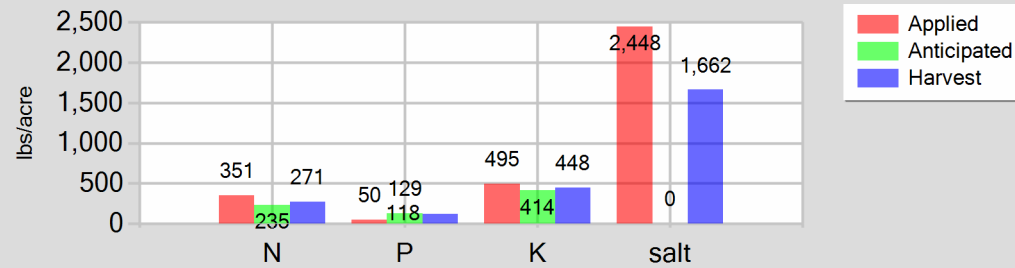
Field 7 - 06/19/2023: Corn, silage

Field name: Field 7

Crop: Corn, silage

Plant date: 06/19/2023

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 | 343.90 | 49.69 | 494.74 | 2,331.69 |
| Fresh water | 0.00 | 0.00 | 0.00 | 115.82 |
| Atmospheric deposition | 7.00 | 0.00 | 0.00 | 0.00 |
| Total nutrients applied | 350.90 | 49.69 | 494.74 | 2,447.51 |
| Anticipated crop nutrient removal | 235.20 | 128.80 | 414.40 | 0.00 |
| Actual crop nutrient removal | 270.93 | 117.80 | 447.62 | 1,662.33 |
| Nutrient balance | 79.97 | -68.11 | 47.11 | 785.18 |
| Applied to removed ratio | 1.30 | 0.42 | 1.11 | 1.47 |

| |
|-----------------------|
| Fresh water applied |
| 45,855,000.00 gallons |
| 1,688.68 acre-inches |
| 37.53 inches/acre |

| |
|----------------------------|
| Process wastewater applied |
| 1,806,000.00 gallons |
| 66.51 acre-inches |
| 1.48 inches/acre |

| |
|-----------------------------|
| Total harvests for the crop |
| 1 harvests |

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

NUTRIENT ANALYSES

A. MANURE ANALYSES

22J1551

Sample and source description: 22J1551

Sample date: 10/24/2022 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 22.2 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Calcium (mg/kg) | Magnesium (mg/kg) | Sodium (mg/kg) | Sulfur (mg/kg) | Chloride (mg/kg) | Total salt (mg/kg) | TFS (%) |
|--------------|--------------------|--------------------|--------------------|--------------------|----------------------|-------------------|-------------------|---------------------|-----------------------|------------|
| Value | 18,400.00 | 600.00 | 40,700.00 | 14,500.00 | 4,700.00 | 5,700.00 | 5,400.00 | 1.70 | | 0.00 |
| DL | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | | 10.00 |

23F0883

Sample and source description: 23F0883

Sample date: 06/07/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 61.4 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Calcium (mg/kg) | Magnesium (mg/kg) | Sodium (mg/kg) | Sulfur (mg/kg) | Chloride (mg/kg) | Total salt (mg/kg) | TFS (%) |
|--------------|--------------------|--------------------|--------------------|--------------------|----------------------|-------------------|-------------------|---------------------|-----------------------|------------|
| Value | 7,200.00 | 2,300.00 | 17,500.00 | | | | | | | 0.00 |
| DL | 0.01 | 0.01 | 0.01 | | | | | | | 10.00 |

23I1771

Sample and source description: 23I1771

Sample date: 09/27/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 84.7 %

| | 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 | 2,700.00 | 500.00 | 1,400.00 | 1,600.00 | 700.00 | 300.00 | 500.00 | 0.00 | | 0.00 |
| DL | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | | 10.00 |

B. PROCESS WASTEWATER ANALYSES

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

22J1514

Sample and source description: 22J1514

Sample date: 10/24/2022 Material type: Process wastewater Source of analysis: Lab analysis pH: _____

| | Kjeldahl-N (mg/L) | NH4-N (mg/L) | NH3-N (mg/L) | Nitrate-N (mg/L) | Total P (mg/L) | Total K (mg/L) | Calcium (mg/L) | Magnes. (mg/L) | Sodium (mg/L) | Bicarb. (mg/L) | Carb. (mg/L) | Sulfate (mg/L) | Chloride (mg/L) | EC (µmhos/cm) | TDS (mg/L) |
|-------|----------------------|-----------------|-----------------|---------------------|-------------------|-------------------|-------------------|-------------------|------------------|-------------------|-----------------|-------------------|--------------------|------------------|---------------|
| Value | 906.00 | 731.00 | 0.00 | 6.70 | 137.00 | 1,470.00 | 361.00 | 204.00 | 412.00 | 5,950.00 | 0.00 | 14.70 | 580.00 | | 7,450 |
| DL | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | | 10 |

23A0715

Sample and source description: 23A0715

Sample date: 01/26/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: _____

| | Kjeldahl-N (mg/L) | NH4-N (mg/L) | NH3-N (mg/L) | Nitrate-N (mg/L) | Total P (mg/L) | Total K (mg/L) | Calcium (mg/L) | Magnes. (mg/L) | Sodium (mg/L) | Bicarb. (mg/L) | Carb. (mg/L) | Sulfate (mg/L) | Chloride (mg/L) | EC (µmhos/cm) | TDS (mg/L) |
|-------|----------------------|-----------------|-----------------|---------------------|-------------------|-------------------|-------------------|-------------------|------------------|-------------------|-----------------|-------------------|--------------------|------------------|---------------|
| Value | 989.00 | 707.00 | 0.00 | 1.30 | 123.00 | 1,280.00 | | | | | | | | | 4,630 |
| DL | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | | | | | | | | | 10 |

23F0872

Sample and source description: 23F0872

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

| | Kjeldahl-N (mg/L) | NH4-N (mg/L) | NH3-N (mg/L) | Nitrate-N (mg/L) | Total P (mg/L) | Total K (mg/L) | Calcium (mg/L) | Magnes. (mg/L) | Sodium (mg/L) | Bicarb. (mg/L) | Carb. (mg/L) | Sulfate (mg/L) | Chloride (mg/L) | EC (µmhos/cm) | TDS (mg/L) |
|-------|----------------------|-----------------|-----------------|---------------------|-------------------|-------------------|-------------------|-------------------|------------------|-------------------|-----------------|-------------------|--------------------|------------------|---------------|
| Value | 1,100.00 | 584.00 | 0.00 | 1.00 | 168.00 | 1,490.00 | 390.00 | 223.00 | 394.00 | 6,020.00 | 0.00 | 5.10 | 637.00 | | 7,200 |
| DL | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | | 10 |

23H0360

Sample and source description: 23H0360

Sample date: 08/01/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: _____

| | Kjeldahl-N (mg/L) | NH4-N (mg/L) | NH3-N (mg/L) | Nitrate-N (mg/L) | Total P (mg/L) | Total K (mg/L) | Calcium (mg/L) | Magnes. (mg/L) | Sodium (mg/L) | Bicarb. (mg/L) | Carb. (mg/L) | Sulfate (mg/L) | Chloride (mg/L) | EC (µmhos/cm) | TDS (mg/L) |
|-------|----------------------|-----------------|-----------------|---------------------|-------------------|-------------------|-------------------|-------------------|------------------|-------------------|-----------------|-------------------|--------------------|------------------|---------------|
| Value | 810.00 | 438.00 | 0.00 | 1.10 | 91.20 | 1,440.00 | 261.00 | 164.00 | 343.00 | 5,420.00 | 0.00 | 29.00 | 516.00 | | 6,270 |
| DL | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | | 10 |

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23I1768

Sample and source description: 23I1768

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

| | Kjeldahl-N (mg/L) | NH4-N (mg/L) | NH3-N (mg/L) | Nitrate-N (mg/L) | Total P (mg/L) | Total K (mg/L) | Calcium (mg/L) | Magnes. (mg/L) | Sodium (mg/L) | Bicarb. (mg/L) | Carb. (mg/L) | Sulfate (mg/L) | Chloride (mg/L) | EC (µmhos/cm) | TDS (mg/L) |
|-------|----------------------|-----------------|-----------------|---------------------|-------------------|-------------------|-------------------|-------------------|------------------|-------------------|-----------------|-------------------|--------------------|------------------|---------------|
| Value | 739.00 | 547.00 | 0.00 | 0.60 | 86.50 | 1,180.00 | | | | | | | | | 6,150 |
| DL | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | | | | | | | | | 10 |

23J1332

Sample and source description: 23J1332

Sample date: 10/18/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: _____

| | Kjeldahl-N (mg/L) | NH4-N (mg/L) | NH3-N (mg/L) | Nitrate-N (mg/L) | Total P (mg/L) | Total K (mg/L) | Calcium (mg/L) | Magnes. (mg/L) | Sodium (mg/L) | Bicarb. (mg/L) | Carb. (mg/L) | Sulfate (mg/L) | Chloride (mg/L) | EC (µmhos/cm) | TDS (mg/L) |
|-------|----------------------|-----------------|-----------------|---------------------|-------------------|-------------------|-------------------|-------------------|------------------|-------------------|-----------------|-------------------|--------------------|------------------|---------------|
| Value | 650.00 | 234.00 | 0.00 | 0.60 | 155.00 | 390.00 | | | | | | | | | 1,730 |
| DL | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | | | | | | | | | 10 |

23K0388

Sample and source description: 23K0388

Sample date: 11/07/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: _____

| | Kjeldahl-N (mg/L) | NH4-N (mg/L) | NH3-N (mg/L) | Nitrate-N (mg/L) | Total P (mg/L) | Total K (mg/L) | Calcium (mg/L) | Magnes. (mg/L) | Sodium (mg/L) | Bicarb. (mg/L) | Carb. (mg/L) | Sulfate (mg/L) | Chloride (mg/L) | EC (µmhos/cm) | TDS (mg/L) |
|-------|----------------------|-----------------|-----------------|---------------------|-------------------|-------------------|-------------------|-------------------|------------------|-------------------|-----------------|-------------------|--------------------|------------------|---------------|
| Value | 1,350.00 | 686.00 | 0.00 | 0.00 | 413.00 | 1,430.00 | | | | | | | | | 6,450 |
| DL | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | | | | | | | | | 10 |

C. FRESH WATER ANALYSES

Canal

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

Canal

23H0359

Sample description: 23H0359

Sample date: 08/01/2023 Source of analysis: Lab analysis

| | Total N (mg/L) | NH4-N (mg/L) | Nitrate-N (mg/L) | Calcium (mg/L) | Magnesium (mg/L) | Sodium (mg/L) | Bicarbonate (mg/L) | Carbonate (mg/L) | Sulfate (mg/L) | Chloride (mg/L) | EC (µmhos/cm) | TDS (mg/L) |
|--------------|-------------------|-----------------|---------------------|-------------------|---------------------|------------------|-----------------------|---------------------|-------------------|--------------------|------------------|---------------|
| Value | 0.00 | | | | | | | | | | 22.70 | |
| DL | 0.01 | | | | | | | | | | 10.00 | |

House Well

23L0259

Sample description: 23L0259

Sample date: 12/05/2023 Source of analysis: Lab analysis

| | Total N (mg/L) | NH4-N (mg/L) | Nitrate-N (mg/L) | Calcium (mg/L) | Magnesium (mg/L) | Sodium (mg/L) | Bicarbonate (mg/L) | Carbonate (mg/L) | Sulfate (mg/L) | Chloride (mg/L) | EC (µmhos/cm) | TDS (mg/L) |
|--------------|-------------------|-----------------|---------------------|-------------------|---------------------|------------------|-----------------------|---------------------|-------------------|--------------------|------------------|---------------|
| Value | 24.40 | | | 113.00 | 21.00 | 42.00 | 290.00 | 0.00 | 35.00 | 58.70 | 908.00 | |
| DL | 0.01 | | | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 10.00 | |

Well 1

23F0892

Sample description: 23F0892

Sample date: 06/07/2023 Source of analysis: Lab analysis

| | Total N (mg/L) | NH4-N (mg/L) | Nitrate-N (mg/L) | Calcium (mg/L) | Magnesium (mg/L) | Sodium (mg/L) | Bicarbonate (mg/L) | Carbonate (mg/L) | Sulfate (mg/L) | Chloride (mg/L) | EC (µmhos/cm) | TDS (mg/L) |
|--------------|-------------------|-----------------|---------------------|-------------------|---------------------|------------------|-----------------------|---------------------|-------------------|--------------------|------------------|---------------|
| Value | 31.50 | | | 140.00 | 28.60 | 28.00 | 282.00 | 0.00 | 65.00 | 30.70 | 1,030.00 | |
| DL | 0.01 | | | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 10.00 | |

Well 3

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

Well 3

23L02959

Sample description: 23L02959

Sample date: 12/05/2023 Source of analysis: Lab analysis

| | Total N (mg/L) | NH4-N (mg/L) | Nitrate-N (mg/L) | Calcium (mg/L) | Magnesium (mg/L) | Sodium (mg/L) | Bicarbonate (mg/L) | Carbonate (mg/L) | Sulfate (mg/L) | Chloride (mg/L) | EC (µmhos/cm) | TDS (mg/L) |
|--------------|-------------------|-----------------|---------------------|-------------------|---------------------|------------------|-----------------------|---------------------|-------------------|--------------------|------------------|---------------|
| Value | 1.30 | | | 27.80 | 5.10 | 8.00 | 99.70 | 0.00 | 8.00 | 2.10 | 219.00 | |
| DL | 0.01 | | | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 10.00 | |

Well 4

23K0058

Sample description: 23K0058

Sample date: 11/01/2023 Source of analysis: Lab analysis

| | Total N (mg/L) | NH4-N (mg/L) | Nitrate-N (mg/L) | Calcium (mg/L) | Magnesium (mg/L) | Sodium (mg/L) | Bicarbonate (mg/L) | Carbonate (mg/L) | Sulfate (mg/L) | Chloride (mg/L) | EC (µmhos/cm) | TDS (mg/L) |
|--------------|-------------------|-----------------|---------------------|-------------------|---------------------|------------------|-----------------------|---------------------|-------------------|--------------------|------------------|---------------|
| Value | 2.90 | | | 30.60 | 6.30 | 8.00 | 91.80 | 0.00 | 13.90 | 4.10 | 261.00 | |
| DL | 0.01 | | | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 10.00 | |

D. SOIL ANALYSES

No soil analyses entered.

E. PLANT TISSUE ANALYSES

Field 1 - 11/12/2022: Wheat, silage, boot stage

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Field 1 - 11/12/2022: Wheat, silage, boot stage

23E1977

Sample and source description: 23E1977

Sample date: 05/22/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 67.1 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Total salt (mg/kg) | TFS (%) |
|-------|-----------------|-----------------|-----------------|--------------------|---------|
| Value | 6,000.00 | 3,100.00 | 12,700.00 | | 13.30 |
| DL | 0.01 | 0.01 | 0.01 | | 0.01 |

Field 1 - 06/17/2023: Corn, silage

23J0379

Sample and source description: 23J0379

Sample date: 10/04/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 68.2 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Total salt (mg/kg) | TFS (%) |
|-------|-----------------|-----------------|-----------------|--------------------|---------|
| Value | 4,400.00 | 2,200.00 | 6,300.00 | | 7.40 |
| DL | 0.01 | 0.01 | 0.01 | | 0.01 |

Field 2 - 11/12/2022: Wheat, silage, boot stage

23E1977

Sample and source description: 23E1977

Sample date: 05/22/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 54.9 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Total salt (mg/kg) | TFS (%) |
|-------|-----------------|-----------------|-----------------|--------------------|---------|
| Value | 9,600.00 | 4,600.00 | 20,200.00 | | 11.30 |
| DL | 0.01 | 0.01 | 0.01 | | 0.01 |

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Field 2 - 06/17/2023: Corn, silage

23J0379

Sample and source description: 23J0379

Sample date: 10/04/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 65.5 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Total salt (mg/kg) | TFS (%) |
|--------------|-----------------|-----------------|-----------------|--------------------|---------|
| Value | 4,800.00 | 2,500.00 | 7,600.00 | | 6.70 |
| DL | 0.01 | 0.01 | 0.01 | | 0.01 |

Field 6 - 11/12/2022: Wheat, silage, boot stage

23E1977

Sample and source description: 23E1977

Sample date: 05/22/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 71.1 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Total salt (mg/kg) | TFS (%) |
|--------------|-----------------|-----------------|-----------------|--------------------|---------|
| Value | 5,200.00 | 2,500.00 | 10,400.00 | | 10.50 |
| DL | 0.01 | 0.01 | 0.01 | | 0.01 |

Field 6 - 06/19/2023: Corn, silage

23J0379

Sample and source description: 23J0379

Sample date: 10/04/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 68.4 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Total salt (mg/kg) | TFS (%) |
|--------------|-----------------|-----------------|-----------------|--------------------|---------|
| Value | 4,200.00 | 1,900.00 | 6,200.00 | | 6.70 |
| DL | 0.01 | 0.01 | 0.01 | | 0.01 |

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

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

Field 7 - 11/13/2022: Wheat, silage, boot stage

23E1977

Sample and source description: 23E1977

Sample date: 05/22/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 65.2 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Total salt (mg/kg) | TFS (%) |
|-------|-----------------|-----------------|-----------------|--------------------|---------|
| Value | 6,700.00 | 1,700.00 | 10,000.00 | | 9.30 |
| DL | 0.01 | 0.01 | 0.01 | | 0.01 |

Field 7 - 06/19/2023: Corn, silage

23J0379

Sample and source description: 23J0379

Sample date: 10/04/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 66.4 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Total salt (mg/kg) | TFS (%) |
|-------|-----------------|-----------------|-----------------|--------------------|---------|
| Value | 4,600.00 | 2,000.00 | 7,600.00 | | 8.40 |
| DL | 0.01 | 0.01 | 0.01 | | 0.01 |

F. SUBSURFACE (TILE) DRAINAGE ANALYSES*No subsurface (tile) drainage analyses entered.*

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

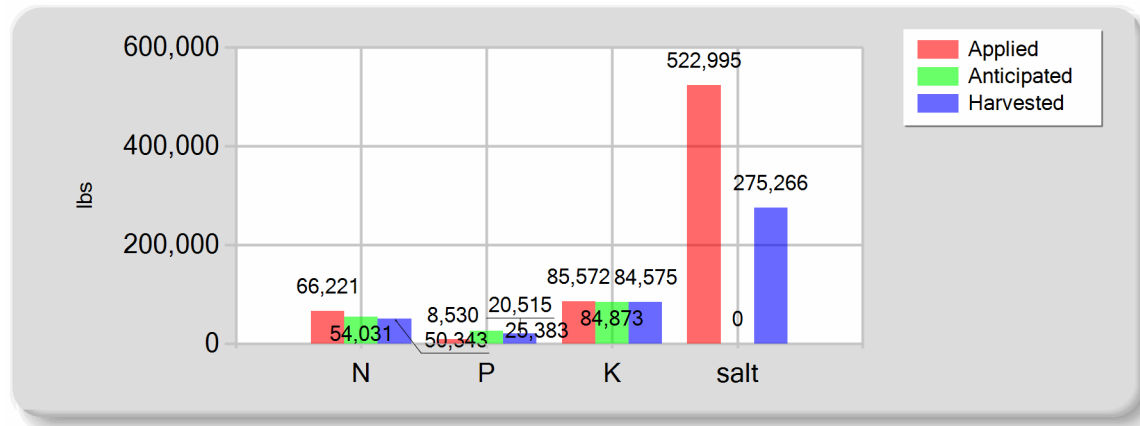
Reporting period 01/01/2023 to 12/31/2023.

NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE

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

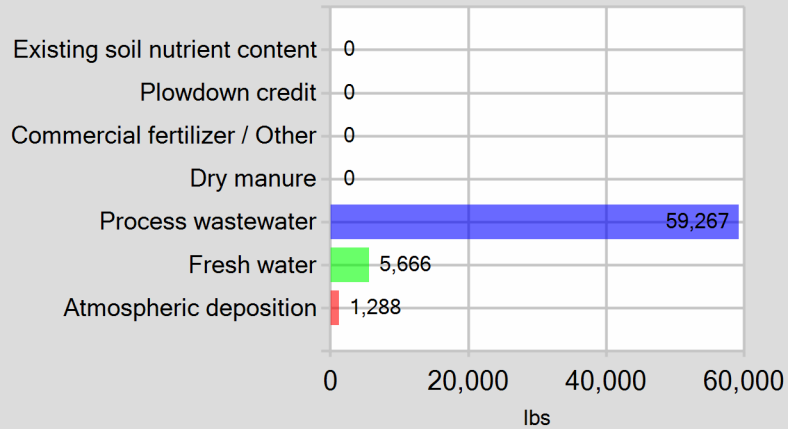
| | Total N (lbs) | Total P (lbs) | Total K (lbs) | Total salt (lbs) |
|-----------------------------------|---------------|---------------|---------------|------------------|
| Existing soil nutrient content | 0.00 | 0.00 | 0.00 | 0.00 |
| Plowdown credit | 0.00 | 0.00 | 0.00 | 0.00 |
| Commercial fertilizer / Other | 0.00 | 0.00 | 0.00 | 0.00 |
| Dry manure | 0.00 | 0.00 | 0.00 | 0.00 |
| Process wastewater | 59,266.75 | 8,529.81 | 85,572.13 | 400,093.10 |
| Fresh water | 5,666.11 | 0.00 | 0.00 | 122,901.78 |
| Atmospheric deposition | 1,288.00 | 0.00 | 0.00 | 0.00 |
| Total nutrients applied | 66,220.86 | 8,529.81 | 85,572.13 | 522,994.88 |
| Anticipated crop nutrient removal | 54,031.20 | 25,382.80 | 84,872.80 | 0.00 |
| Actual crop nutrient removal | 50,342.74 | 20,514.60 | 84,575.04 | 275,266.48 |
| Nutrient balance | 15,878.12 | -11,984.79 | 997.09 | 247,728.40 |
| Applied to removed ratio | 1.32 | 0.42 | 1.01 | 1.90 |

B. POUNDS OF NUTRIENT APPLIED VS. CROP REMOVAL

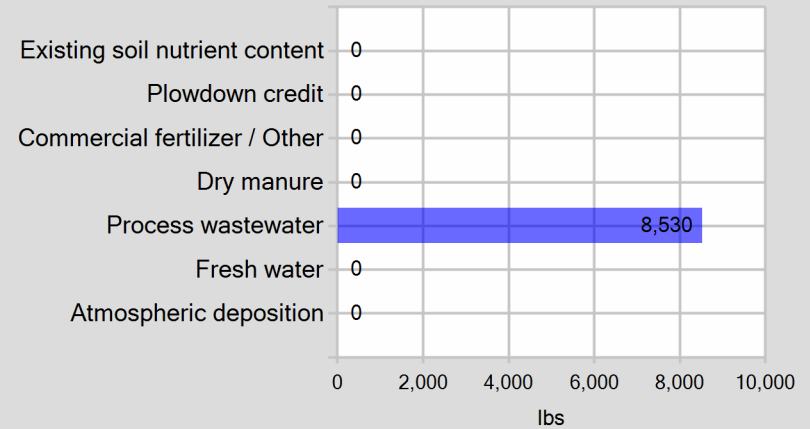


C. POUNDS OF NUTRIENT APPLIED BY MATERIAL TYPE

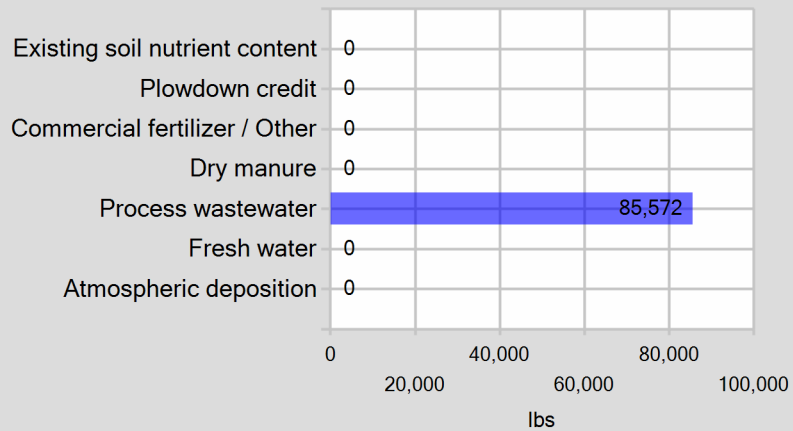
Pounds of nitrogen applied



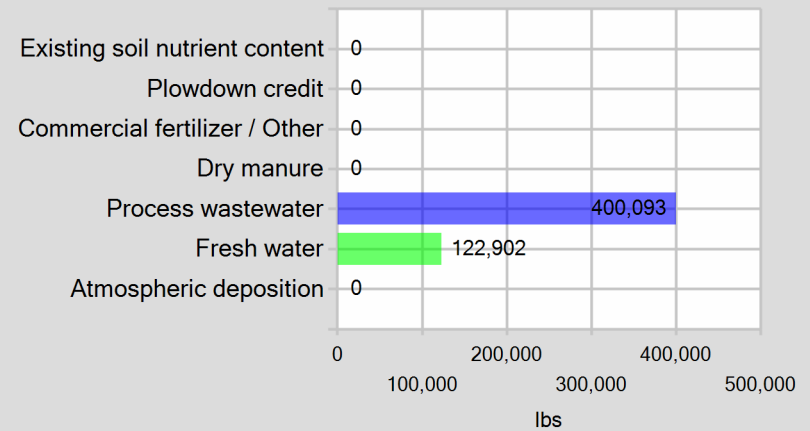
Pounds of phosphorus applied



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? Yes

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

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

B. EXPORT AGREEMENT STATEMENT

Are there any written agreements with third parties to receive manure or process wastewater that are new or were revised within the reporting period? No

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

ADDITIONAL NOTES

A. NOTES

Irrigation Well #2 is down.

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

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

CERTIFICATION

A. OWNER AND/OR OPERATOR CERTIFICATION

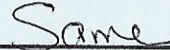
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate,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

Evangelo Land Co.

PRINT OR TYPE NAME



SIGNATURE OF OPERATOR OF FACILITY

Anthony Evangelo

PRINT OR TYPE NAME

6-30-2024

DATE

6-30-24

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.

Report of Dairy Well Water Analysis

Bar E Dairy
6970 Corona Avenue
Kingsburg CA 93631
00-0020202 08

Lab No.: 23F0892
Sampled By: Marty Verhoeven
Requested By: Marty Verhoeven
Submitted Date: 06/08/23
Reported Date: 06/20/23
Project:
Crop ID:

E-mail: martyverhoeven@gmail.com
Copy To:

| | Date Sampled | Time Sampled | EC µmhos/cm | EC mmhos/cm | NO ₃ -N mg/L | Field NH ₄ -N mg/L | Total NH ₄ -N mg/L | TDS mg/L | CO ₃ as CaCO ₃ mg/L | HCO ₃ as CaCO ₃ mg/L | Cl mg/L | SO ₄ mg/L | Ca mg/L | Mg mg/L | Na mg/L | pH at 25°C unit |
|----------|-----------------|-----------------|----------------|----------------|----------------------------|-------------------------------------|-------------------------------------|-------------|--|---|------------|-------------------------|------------|------------|------------|-----------------------|
| 1 Well 1 | 6/7/23 | 6:00 | 1030 | 1.03 | 31.5 | * | | 603 | ND | 282 | 30.7 | 65 | 140 | 28.6 | 28 | 7.5 |

* = Field NH₄-N not Taken.

ND = None Detected

Approved By: Scott M. Fridlund

Laboratory Director/Technical Manager

ELAP Certification #1595

A2LA Certification #6440.02



06/08/23 08:30

23F0892

DELLAVALLE LABORATORY, INC.

1910 W. McKinley Avenue, Suite 110 • Fresno, CA 93728

www.dellavallelab.com 559 233-6129 • 800 228-9896 • Fax 559 268-8174

Purchase Order No

Bill To:

Acct #

Cons #

Results Need By

Name: Bar E Dairy

Address:

City: State: CA Zip:

Telephone: Fax:

Cell/Email:

COPY TO:

REQUESTED BY:

Marty Verhoeven

PROJECT:

CROP:

☒ Copy of Chain ☒ QA/QC Documents

Sampled By:

Description of Samples

| | |
|----|--------|
| 1 | Well 1 |
| 2 | |
| 3 | |
| 4 | |
| 5 | |
| 6 | |
| 7 | |
| 8 | |
| 9 | |
| 10 | |

No. Samples:

No of Bottles:

Water Type:

☐ Drinking Water☐ Wastewater☐ Ag Water☐ Groundwater☐ Monitoring Well

Other:

Analysis and Bottles Required: (Please indicate Analysis)

☐ DWW1: EC, NO₃-N, pH NH₄-N Field Test

(1-1 Liter Plastic, Unpreserved) White Per Sample

☒ DWW2: DWW1 Plus SO₄, CO₃, HCO₃, Cl, Ca, Mg, Na, TDS

(1-1 Liter Plastic, Unpreserved) White Per Sample

☐ DCW1: EC, NO₃-N, TDS

(1-1 Liter Plastic, Unpreserved) White Per Sample

☐ DPW1: EC, NO₃-N, NH₄-N, TKN, TDS, TP, TK

(1-1 Liter Plastic, Unpreserved) White Per Sample

☐ DPW2: DPW1 Plus Ca, Mg, Na, HCO₃, CO₃, SO₄, Cl

(1-1 Liter Plastic, Unpreserved) White Per Sample

☐ OtherDate
SampledTime
SampledRec'd
Temp °CField NH₄-N

| | | | |
|--------|------|-----|--|
| 4/1/23 | 6:00 | 0.9 | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

CHAIN OF CUSTODY

| Carrier | Signature | Company | Received (Date/Time) | Relinquished (Date/Time) |
|---------|-----------|---------|----------------------|--------------------------|
| First | | | | |
| Second | MM | OLI | 6/8/23 8:30 | |
| Third | | | | |
| Fourth | | | | |

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

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

reasonable attorneys' fees of Dellavalle Laboratory

Invoicing Information:

Shipping

| | | |
|--------------|--------|---------|
| Sampling hrs | \$ | In |
| Miles | \$ | Out |
| Consulting | | |
| Amt Paid | Rec By | Check # |
| | | Date |

Signature

Sample received in cooler with ice (coolant)

☐ Yes ☐ No

IR Thermometer SN: 200560723
Correction Factor: 0°C
Calibration Due: 6/30/2023
Location: Laboratory

Report of Dairy Canal Water Analysis

Bar E Dairy
6970 Corona Avenue
Kingsburg CA 93631
00-0020202 08

E-mail: martyverhoeven@gmail.com
Copy To:

Lab No.: 23H0359
Sampled By: Marty Verhoeven
Requested By: Marty Verhoeven
Submitted Date: 08/02/23
Reported Date: 08/09/23
Project:
Crop ID:

| | | Date | Time | EC | EC | NO ₃ -N | TDS |
|---|---------------|---------|---------|----------|----------|--------------------|------|
| | | Sampled | Sampled | µmhos/cm | mmhos/cm | mg/L | mg/L |
| 1 | Canal (Canal) | 8/1/23 | 15:10 | 22.7 | 0.02 | ND | 22.7 |

ND = None Detected

Approved By: Scott M. Friedland
Laboratory Director/Technical Manager
ELAP Certification #1595
A2LA Certification #6440.02



08/02/23 08:15

23H0359

WATER WORK REQUEST
 Bill To: 20202 08

Purchase Order No. _____ Results Needed By _____

 Client Bar E Dairy
 Address 6970 Corona Ave
 City, State, Zip Kingsburg, CA 93631
 Email: _____

 Copy to: martyverhoeven@gmail.com

 Requested by/Cell: Marty Verhoeven

Facility: _____

 Date sampled 8-1-23

 Sampled by mbd
☒ QA/QC Document ☒ Copy of Chain ☐ RWQCB
DESCRIPTION OF SAMPLES

| | | |
|-----|--------------|----------------------------|
| 1. | <u>Canal</u> | Sampled From: <u>Canal</u> |
| 2. | | Sampled From: _____ |
| 3. | | Sampled From: _____ |
| 4. | | Sampled From: _____ |
| 5. | | Sampled From: _____ |
| 6. | | Sampled From: _____ |
| 7. | | Sampled From: _____ |
| 8. | | Sampled From: _____ |
| 9. | | Sampled From: _____ |
| 10. | | Sampled From: _____ |

CHAIN OF CUSTODY

| Carrier | Signature | Company | Received (Date/Time) | Relinquished (Date/Time) |
|---------|--------------------|------------|----------------------|--------------------------|
| First | <u>[Signature]</u> | <u>DLI</u> | <u>8-1-23 3:10</u> | <u>8-1-23 3:46pm</u> |
| Second | <u>[Signature]</u> | <u>DLI</u> | <u>8/1/23 3:46pm</u> | |
| Third | | | | |
| Fourth | <u>[Signature]</u> | <u>DLI</u> | <u>8/2 D8:15</u> | |

I guarantee that to the client, or on behalf of the client named, I have the authority to contract the above requested services. Should it be found that I do not have such authority, I agree to be personally liable for all costs and, if there should be action against me for this breach, reasonable attorney's fees. It is understood that payment is expected to be cash with samples unless terms have been previously arranged. I am not to be paid for 30 days; overdue amounts will be charged a default charge fee of 2% per month (maximum 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. (CALI). If the dispute is not resolved in mediation, then the dispute will be submitted to binding arbitration through CALI 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 either party will pay all mediation and arbitration costs, and in the event of arbitration, reasonable attorney's fees of Dellavalle Laboratory.

| | | | |
|------------------------|------------------------------|-----------------|------------|
| Invoicing Information: | | Shipping | |
| Price List 2022 | | \$ _____ | In _____ |
| Sampling Hrs _____ | Miles _____ Consulting _____ | \$ _____ | Out _____ |
| Am't Paid _____ | Rec By _____ | Check No. _____ | Date _____ |

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. Bottles _____
Water Type:
☒ Ag Water ☐ Drinking ☐ Wastewater
☐ Supply Water ☐ Ground Water ☐ Mon. Well
☐ Other _____
Analysis and Bottles Required: (Please Indicate Analysis)

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

| Date Sampled | Time Sampled | Field NH ₄ -N (mg/L) | Received Temp °C |
|---------------|--------------|---------------------------------|------------------|
| <u>8-1-23</u> | <u>3:10</u> | | <u>22.4/1.4</u> |

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

H/F

Report of Dairy Well Water Analysis

Bar E Dairy
6970 Corona Avenue
Kingsburg CA 93631
00-0020202 08

E-mail: martyverhoeven@gmail.com
Copy To:

Lab No.: 23K0058
Sampled By: Marty Verhoeven
Requested By: Marty Verhoeven
Submitted Date: 11/02/23
Reported Date: 11/14/23
Project:
Crop ID:

| | | | | | | | | | CO ₃ as CaCO ₃ | HCO ₃ as CaCO ₃ | Cl | SO ₄ | Ca | Mg | Na | pH at 25°C |
|---|------------------------|-----------------|----------------|----------------|----------------------------|-------------------------------------|-------------------------------------|-------------|--|---|------|-----------------|------|------|------|---------------|
| | Date Sampled | Time Sampled | EC µmhos/cm | EC mmhos/cm | NO ₃ -N mg/L | Field NH ₄ -N mg/L | Total NH ₄ -N mg/L | TDS mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | unit |
| 1 | Well 4 New (Standpipe) | 11/01/23 | 15:30 | 261 | 0.26 | 2.9 | ND | 150 | ND | 91.8 | 4.1 | 13.9 | 30.6 | 6.3 | 8 | 7.8 |

* = Field NH₄-N not Taken.
ND = None Detected

Approved By: Scott M. Friedlund
Laboratory Director/Technical Manager
ELAP Certification #1595
A2LA Certification #6440.02

11/02/23 07:42

23K0058

WATER WORK REQUEST

 Bill To: Acct No. 20202 Cons. 08

Purchase Order No. _____ Results Needed By _____

 Client Bar E Dairy
 Address 6970 Corona Ave
 City, State, Zip Kingsburg, CA 93631
 Email: _____

 Copy to: martyverhoeven@gmail.com

 Requested by/Cell: Marty Verhoeven

Facility: _____

 Date sampled 11-1-23

 Sampled by [Signature]
☒ QA/QC Document ☒ Copy of Chain ☐ RWQCB

DESCRIPTION OF SAMPLES

| | |
|----------------------|---------------------------------|
| 1. <u>Well 4 New</u> | Sampled From: <u>Stent pipe</u> |
| 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: _____ |

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 www.dellavallelab.com 559 233-6129 • 800 228-9896 • Fax 559 268-8174

 No. of Samples _____ No. Bottles _____
 Water Type: ☐ Ag Water ☒ Drinking ☐ Wastewater
☐ Supply Water ☒ Ground Water ☐ Mon. Well
☐ Other _____

Analysis and Bottles Required: (Please Indicate Analysis)

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

☐ Other _____

| Date Sampled | Time Sampled | Field NH ₄ -N (mg/L) | Received Temp °C |
|----------------|----------------|---------------------------------|------------------|
| <u>11-1-23</u> | <u>3:30 AM</u> | <u>D</u> | <u>-5.3/1.4</u> |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

IR Thermometer SN: 221511276

Correction Factor: 0°C

Calibration Due: 12/22/2023

Location: Hanford

IR Thermometer SN: 200560723

Correction Factor: 0°C

Calibration Due: 12/22/2023

Location: Laboratory

CHAIN OF CUSTODY

| Carrier | Signature | Company | Received (Date/Time) | Relinquished (Date/Time) |
|---------|--------------------|-------------|-----------------------|--------------------------|
| First | <u>[Signature]</u> | <u>LOEC</u> | <u>11-1-23 3:30</u> | <u>11-1-23 2:47pm</u> |
| Second | <u>[Signature]</u> | <u>DLI</u> | <u>11/1/23 2:47pm</u> | |
| Third | <u>MM</u> | <u>DLI</u> | <u>11/2 7:42</u> | |
| Fourth | | | | |

I guarantee that to the client, or on behalf of the client named, I have the authority to contract the above requested services. Should it be found that I do not have such authority, I agree to be personally liable for all costs and, if there should be action against me for this breach, reasonable attorney's fees. It is understood that payment is expected to be cash with samples unless terms have been previously arranged. I return any net 30 days; otherwise accounts will be charged a delinquent fee of 2% per month (maximum 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. (call). If the dispute is not resolved in mediation, then the dispute will be submitted to binding arbitration through call 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 the client will pay all mediation and arbitration costs, and in the event of arbitration, reasonable attorney's fees of Dellavalle Laboratory.

Invoicing Information:

Price List 2022 2023 MG 11/01/23

Shipping

Sampling Hrs _____ Miles _____ Consulting _____

\$ _____ In

\$ _____ Out

Amt Paid

Rec By

Check No.

Date

Signature _____

Sample received in cooler with ice?

[] Yes [] No

c:\update 2020

Report of Dairy Well Water Analysis

Bar E Dairy
6970 Corona Avenue
Kingsburg CA 93631
00-0020202 08

E-mail: martyverhoeven@gmail.com
Copy To:

Lab No.: 23L0259
Sampled By: Pamela Verhoeven
Requested By: Marty Verhoeven
Submitted Date: 12/06/23
Reported Date: 12/18/23
Project:
Crop ID:

| | | | | | | | | | CO ₃ as CaCO ₃ | HCO ₃ as CaCO ₃ | Cl | SO ₄ | Ca | Mg | Na | pH at 25°C |
|---|---------------------------|-----------------|-----------------|----------------|----------------|----------------------------|-------------------------------------|-------------------------------------|--|---|------|-----------------|------|------|------|---------------|
| | | Date Sampled | Time Sampled | EC μmhos/cm | EC mmhos/cm | NO ₃ -N mg/L | Field NH ₄ -N mg/L | Total NH ₄ -N mg/L | TDS mg/L | | | | | | | unit |
| 1 | Well 3 (Valve @ Well) | 12/05/23 | 12:45 | 219 | 0.22 | 1.3 | * | | 156 | ND | 99.7 | 2.1 | 8.0 | 27.8 | 5.1 | 7.8 |
| 2 | House Well (Valve @ Well) | 12/05/23 | 12:50 | 908 | 0.91 | 24.4 | * | | 520 | ND | 290 | 58.7 | 35.0 | 113 | 21.0 | 7.4 |

* = Field NH₄-N not Taken.
ND = None Detected

Approved By:

Scott M. Friedland

Laboratory Director/Technical Manager

ELAP Certification #1595

A2LA Certification #6440.02



12/06/23 07:00

23L0259

07

Acct No. 20202 Cons. 08

Purchase Order No. Results Needed By

Client **Bar E Dairy**
Address **6970 Corona Ave**
City, State, Zip **Kingsburg, CA 93631**
Email:

Copy to: martyverhoeven@gmail.comRequested by/Cell: Marty Verhoeven

Facility: _____

Date sampled 12-5-23Sampled by Pamela Verhoeven
☒ QA/QC Document ☒ Copy of Chain ☐ RWQCB

DESCRIPTION OF SAMPLES

| | | |
|-----|------------|-----------------------------------|
| 1. | Well 3 | Sampled From: <u>Valve @ well</u> |
| 2. | House Well | Sampled From: <u>Valve @ well</u> |
| 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 2 No. Bottles 2

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

Analysis and Bottles Required: (Please Indicate Analysis)

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

| Date Sampled | Time Sampled | Field NH ₄ -N (mg/L) | Received Temp °C |
|---|--------------|---------------------------------|------------------|
| 12-5-23 | 12:45 | | 9.6 / 1.0 |
| 12-5-23 | 12:50 | | 4.9 / 0.5 |
| IR Thermometer SN: 200560723 Correction Factor: 0°C Calibration Due: 12/22/2023 Location: Laboratory | | | |
| IR Thermometer SN: 221511276 Correction Factor: 0°C Calibration Due: 12/22/2023 Location: Hanford | | | |

CHAIN OF CUSTODY

| Carrier | Signature | Company | Received (Date/Time) | Relinquished (Date/Time) |
|---------|-----------|-------------|----------------------|--------------------------|
| First | <u>AV</u> | <u>VDFC</u> | 12-5-23 12:45 | 12/5/23 3:25 |
| Second | <u>CH</u> | <u>OCI</u> | 12/5/23 3:25 | 12/5/23 3:26 |
| Third | | | | |
| Fourth | <u>AV</u> | <u>OCI</u> | 12/6 07:00 | |

I guarantee that as the client, or on behalf of the client named, I have the authority to contract the above requested services. Should it be found that I do not have such authority, I agree to be personally liable for all costs and, if there should be action against me for this breach, reasonable attorney's fees. It is understood that payment is expected to be cash with samples unless terms have been previously arranged. Terms are net 30 days; no invoice accounts will be charged a default charge for 25% 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. (call) If the dispute is not resolved in mediation, then the dispute will be submitted to binding arbitration through and 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 either will pay all mediation and arbitration costs, and in the event of arbitration, reasonable attorney's fees of DellaValle Laboratory.

Invoicing Information:

Price List 2022

| Sampling Hrs | Miles | Consulting | Shipping |
|--------------|--------|------------|--------------|
| | | | \$ _____ In |
| | | | \$ _____ Out |
| Am't Paid | Rec By | Check No. | Date |

Signature _____

Sample received in cooler with ice?

[] Yes [] No

cfr: update 2020