

**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:** J&D Wilson Dry Cows

Physical address of dairy:

430 W Mt. Whitney AVE

Number and Street

Riverdale

Fresno

93656

City

County

Zip Code

Street and nearest cross street (if no address): \_\_\_\_\_

Date facility was originally placed in operation: 01/01/1955

Regional Water Quality Control Board Basin Plan designation: Tulare Basin

County Assessor Parcel Number(s) for dairy facility:

0055-0240-0063-0000

**B. OPERATORS**

Wilson, Jim

Operator name: Wilson, Jim

Telephone no.: (559) 866-5278

Landline

Cellular

11720 W Mt.Whitney

Riverdale

CA

93656

Mailing Address Number and Street

City

State

Zip Code

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

**C. OWNERS**

Ribeiro, Paul

Legal owner name: Ribeiro, Paul

Telephone no.: (559) 867-0992

Landline

Cellular

403 W Mt. Whitney AVE

Riverdale

CA

93656

Mailing Address Number and Street

City

State

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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	0	0	800	0	300
Number under roof	0	0	800	0	0	0
Maximum number	0	0	800	800	0	300
Average number	0	0	800	800	0	300
Avg live weight (lbs)	0	0	1,000	800		

Predominant milk cow breed: Holstein

Average milk production: 1 pounds per cow per day

**B. MANURE GENERATED**

Total manure excreted by the herd: 17,240.34 tons per reporting period

Total nitrogen from manure: 167,170.00 lbs per reporting period

After ammonia losses (30% loss applied): 117,019.00 lbs per reporting period

Total phosphorus from manure: 26,780.05 lbs per reporting period

Total potassium from manure: 1.00 lbs per reporting period

Total salt from manure: 0.00 lbs per reporting period

**C. PROCESS WASTEWATER GENERATED**

Process wastewater generated: gallons

Total nitrogen generated: lbs

0 gallons applied
+ 0 gallons exported
- 0 gallons imported
= 0 gallons generated

Total phosphorus generated: lbs

Total potassium generated: lbs

Total salt generated: lbs

**D. FRESH WATER SOURCES**

Source Description	Type
AR-1 Dom	Ground water
AR2-Dom	Ground water
AR3-Dom	Ground water
AR7-Dom	Ground water
Canal	Surface water

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**E. SUBSURFACE (TILE) DRAINAGE SOURCES**

*No subsurface (tile) drainage sources entered.*

**F. NUTRIENT IMPORTS**

*No dry manure nutrient imports entered.*

*No process wastewater nutrient imports entered.*

*No commercial or other nutrient imports entered.*

**G. NUTRIENT EXPORTS**

Date	Material type	Quantity	Reporting basis	Moisture (%)	Density (lbs/cu ft)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
11/05/2023	Corral solids	1,600.00 <i>ton</i>	As-is	33.9		7,700.00	4,400.00	19,000.00		64.50
11/15/2023	Corral solids	2,000.00 <i>ton</i>	As-is	33.9		7,700.00	4,400.00	19,000.00		64.50

*No liquid nutrient exports entered.*

Material type	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Dry manure	55,440.00	31,680.00	136,800.00	3,069,684.00
Process wastewater	0.00	0.00	0.00	0.00
Total exports for all materials	55,440.00	31,680.00	136,800.00	3,069,684.00

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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	9	9	2	manure	0055-0240-063S-0000
Field 2	9	9	2	manure	0055-0240-063S-0000
Field 3	21	21	4	manure	0055-0420-013S-0000
Field 4	65	65	2	manure	0055-0440-0008-0000 0055-0440-0009-0000
Field 5	10	10	2	manure	0055-0430-010S-0000
Field L1	11	11	0	none	0055-0430-14S1-0000
Field L2	5	5	2	manure	0055-0440-11S1-0000
Field L3	3	3	0	none	0055-0470-22S1-0000
Totals for areas that were used for application	119	119	14		
Totals for areas that were not used for application	14	14	0		
Land application area totals	133	133	14		

**B. CROPS AND HARVESTS**

Field 1

Field name: Field 1

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

Crop: Wheat, silage, boot stage      Acres planted: 9      Plant date: 11/01/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/23/2023	156.30 ton	Dry-weight		49.0	16,300.00	2,600.00	23,800.00		6.29

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	16.00	256.00	44.80	192.00	0.00
Total actual harvest content	17.37	288.74	46.06	421.59	1,114.21

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**Field 1**

06/01/2023: Corn, silage

Crop: Corn, silage      Acres planted: 9      Plant date: 06/01/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
11/08/2023	249.30 ton	Dry-weight		63.8	12,200.00	2,500.00	7,500.00		5.37

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	224.00	42.00	184.80	0.00
Total actual harvest content	27.70	244.67	50.14	150.41	1,076.94

**Field 2**

Field name: Field 2

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

Crop: Wheat, silage, boot stage      Acres planted: 9      Plant date: 11/01/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/25/2023	165.30 ton	Dry-weight		61.2	18,500.00	3,000.00	21,000.00		9.51

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	16.00	256.00	44.80	192.00	0.00
Total actual harvest content	18.37	263.67	42.76	299.30	1,355.42

06/01/2023: Corn, silage

Crop: Corn, silage      Acres planted: 9      Plant date: 06/01/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
11/08/2023	265.30 ton	Dry-weight		63.8	12,200.00	2,500.00	7,500.00		5.37

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	224.00	42.00	184.80	0.00
Total actual harvest content	29.48	260.37	53.35	160.06	1,146.06

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**Field 3**

Field name: Field 3

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

Crop: Wheat, silage, boot stage      Acres planted: 21      Plant date: 11/01/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/25/2023	344.30 ton	Dry-weight		62.3	18,500.00	3,400.00	25,000.00		9.55

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	16.00	256.00	44.80	192.00	0.00
Total actual harvest content	16.40	228.70	42.03	309.05	1,180.57

06/01/2023: Corn, silage

Crop: Corn, silage      Acres planted: 21      Plant date: 06/01/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
11/08/2023	605.10 ton	Dry-weight		64.0	13,600.00	2,700.00	7,400.00		5.34
11/08/2023	595.30 ton	Dry-weight		64.0	13,600.00	2,700.00	7,400.00		5.34
11/08/2023	593.80 ton	Dry-weight		64.0	13,600.00	2,700.00	7,400.00		5.34

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	224.00	42.00	184.80	0.00
Total actual harvest content	85.44	836.61	166.09	455.21	3,284.92

**Field 4**

Field name: Field 4

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**Field 4**

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

Crop: Wheat, silage, boot stage      Acres planted: 65      Plant date: 11/01/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/25/2023	1,023.40 ton	Dry-weight		63.2	13,700.00	3,100.00	21,500.00		9.33

Yield (tons/acre)    Total N (lbs/acre)    Total P (lbs/acre)    Total K (lbs/acre)    Salt (lbs/acre)

Anticipated harvest content	16.00	256.00	44.80	192.00	0.00
Total actual harvest content	15.74	158.76	35.92	249.14	1,081.16

06/01/2023: Corn, silage

Crop: Corn, silage      Acres planted: 65      Plant date: 06/01/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
11/08/2023	1,865.90 ton	Dry-weight		62.0	13,700.00	3,000.00	8,300.00		5.48

Yield (tons/acre)    Total N (lbs/acre)    Total P (lbs/acre)    Total K (lbs/acre)    Salt (lbs/acre)

Anticipated harvest content	28.00	224.00	42.00	184.80	0.00
Total actual harvest content	28.71	298.89	65.45	181.08	1,195.55

**Field 5**

Field name: Field 5

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

Crop: Wheat, silage, boot stage      Acres planted: 10      Plant date: 11/01/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/25/2023	166.70 ton	Dry-weight		62.7	13,500.00	12,900.00	21,800.00		6.74

Yield (tons/acre)    Total N (lbs/acre)    Total P (lbs/acre)    Total K (lbs/acre)    Salt (lbs/acre)

Anticipated harvest content	16.00	256.00	44.80	192.00	0.00
Total actual harvest content	16.67	167.88	160.42	271.10	838.17

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**Field 5**

06/01/2023: Corn, silage

Crop: Corn, silage      Acres planted: 10      Plant date: 06/01/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
11/08/2023	295.30 ton	Dry-weight		63.9	16,400.00	1,400.00	14,200.00		6.51

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	224.00	42.00	184.80	0.00
Total actual harvest content	29.53	349.66	29.85	302.75	1,387.97

**Field L2**

Field name: Field L2

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

Crop: Wheat, silage, boot stage      Acres planted: 5      Plant date: 11/01/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/23/2023	77.30 ton	Dry-weight		66.4	14,500.00	2,700.00	15,600.00		7.32

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	16.00	256.00	44.80	192.00	0.00
Total actual harvest content	15.46	150.64	28.05	162.07	760.48

06/01/2023: Corn, silage

Crop: Corn, silage      Acres planted: 5      Plant date: 06/01/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
11/08/2023	132.60 ton	Dry-weight		61.9	13,200.00	2,700.00	7,900.00		5.87

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	224.00	42.00	184.80	0.00
Total actual harvest content	26.52	266.75	54.56	159.65	1,186.22

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**NUTRIENT BUDGET****A. LAND APPLICATIONS**

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

Field name: Field 1

Crop: Wheat, silage, boot stage

Plant date: 11/01/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
10/10/2022	Plow/disc	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Dry Manure	Corral solids	342.22	195.56	844.44	18,948.67	200.00 ton
Application event totals		342.22	195.56	844.44	18,948.67	
02/03/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	9.35	840,000.00 gal
Application event totals		0.00	0.00	0.00	9.35	
03/05/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	9.35	840,000.00 gal
Application event totals		0.00	0.00	0.00	9.35	
04/02/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	9.35	840,000.00 gal
Application event totals		0.00	0.00	0.00	9.35	

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

Field name: Field 1

Crop: Corn, silage

Plant date: 06/01/2023

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

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

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/25/2023	Plow/disc	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Dry Manure	Corral solids	250.06	91.63	557.40	11,006.65	100.00 ton
Application event totals		250.06	91.63	557.40	11,006.65	
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
Canal	Surface water	0.00	0.00	0.00	12.02	1,080,000.00 gal
Application event totals		0.00	0.00	0.00	12.02	
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	12.02	1,080,000.00 gal
Application event totals		0.00	0.00	0.00	12.02	
07/16/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	12.02	1,080,000.00 gal
Application event totals		0.00	0.00	0.00	12.02	
07/26/2023	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
Canal	Surface water	0.00	0.00	0.00	12.02	1,080,000.00 gal
Application event totals		0.00	0.00	0.00	12.02	
08/06/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	12.02	1,080,000.00 gal
Application event totals		0.00	0.00	0.00	12.02	

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

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
08/16/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	12.02	1,080,000.00 gal
Application event totals		0.00	0.00	0.00	12.02	
08/26/2023	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
Canal	Surface water	0.00	0.00	0.00	12.02	1,080,000.00 gal
Application event totals		0.00	0.00	0.00	12.02	
09/06/2023	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	12.02	1,080,000.00 gal
Application event totals		0.00	0.00	0.00	12.02	

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

Field name:	Field 2	Plant date:	11/01/2022			
Crop:	Wheat, silage, boot stage					
Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
10/10/2022	Plow/disc	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Dry Manure	Corral solids	299.44	171.11	738.89	16,580.08	175.00 ton
Application event totals		299.44	171.11	738.89	16,580.08	
02/02/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	6.01	540,000.00 gal
Application event totals		0.00	0.00	0.00	6.01	

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

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
03/04/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	6.01	540,000.00 gal
Application event totals		0.00	0.00	0.00	6.01	
04/02/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	6.01	540,000.00 gal
Application event totals		0.00	0.00	0.00	6.01	

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

Field name: Field 2

Crop: Corn, silage

Plant date: 06/01/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/25/2023	Plow/disc	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Dry Manure	Corral solids	291.11	106.67	648.89	11,006.65	100.00 ton
Application event totals		291.11	106.67	648.89	11,006.65	
06/27/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	11.57	1,040,000.00 gal
Application event totals		0.00	0.00	0.00	11.57	
07/07/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	11.57	1,040,000.00 gal
Application event totals		0.00	0.00	0.00	11.57	

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

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
07/17/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	11.57	1,040,000.00 gal
Application event totals		0.00	0.00	0.00	11.57	
07/27/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	11.57	1,040,000.00 gal
Application event totals		0.00	0.00	0.00	11.57	
08/07/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	11.57	1,040,000.00 gal
Application event totals		0.00	0.00	0.00	11.57	
08/17/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	11.57	1,040,000.00 gal
Application event totals		0.00	0.00	0.00	11.57	
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	11.57	1,040,000.00 gal
Application event totals		0.00	0.00	0.00	11.57	
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	11.57	1,040,000.00 gal
Application event totals		0.00	0.00	0.00	11.57	

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

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

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

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

Field name: Field 3

Crop: Wheat, silage, boot stage

Plant date: 11/01/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
10/10/2022	Plow/disc	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Dry Manure	Corral solids	293.33	167.62	723.81	16,241.71	400.00 ton
Application event totals		293.33	167.62	723.81	16,241.71	
02/04/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	5.53	1,160,000.00 gal
Application event totals		0.00	0.00	0.00	5.53	
03/02/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	5.53	1,160,000.00 gal
Application event totals		0.00	0.00	0.00	5.53	
04/04/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	5.53	1,160,000.00 gal
Application event totals		0.00	0.00	0.00	5.53	

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

Field name: Field 3

Crop: Corn, silage

Plant date: 06/01/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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**Annual Report - General Order No. R5-2007-0035**

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

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

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/25/2023	Plow/disc	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Dry Manure	Corral solids	1,060.48	388.57	2,363.81	40,095.67	850.00 ton
Application event totals		1,060.48	388.57	2,363.81	40,095.67	
06/28/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	10.30	2,160,000.00 gal
Application event totals		0.00	0.00	0.00	10.30	
07/08/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	10.30	2,160,000.00 gal
Application event totals		0.00	0.00	0.00	10.30	
07/18/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	10.30	2,160,000.00 gal
Application event totals		0.00	0.00	0.00	10.30	
07/28/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	10.30	2,160,000.00 gal
Application event totals		0.00	0.00	0.00	10.30	
08/08/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	10.30	2,160,000.00 gal
Application event totals		0.00	0.00	0.00	10.30	

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

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
08/18/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	10.30	2,160,000.00 gal
Application event totals		0.00	0.00	0.00	10.30	
08/28/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	10.30	2,160,000.00 gal
Application event totals		0.00	0.00	0.00	10.30	
09/08/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	10.30	2,160,000.00 gal
Application event totals		0.00	0.00	0.00	10.30	

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

Field name:	Field 4	Plant date:	11/01/2022			
Crop:	Wheat, silage, boot stage					
Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
10/10/2022	Plow/disc	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Dry Manure	Corral solids	201.38	115.08	496.92	11,150.56	850.00 ton
Application event totals		201.38	115.08	496.92	11,150.56	
02/04/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	8.22	5,336,000.00 gal
Application event totals		0.00	0.00	0.00	8.22	

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

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

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
03/02/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	8.22	5,336,000.00 gal
Application event totals		0.00	0.00	0.00	8.22	
04/05/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	8.22	5,336,000.00 gal
Application event totals		0.00	0.00	0.00	8.22	

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

Field name: Field 4

Crop: Corn, silage

Plant date: 06/01/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/25/2023	Plow/disc	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Dry Manure	Corral solids	342.62	125.54	763.69	12,953.98	850.00 ton
Application event totals		342.62	125.54	763.69	12,953.98	
06/29/2023	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	13.35	8,664,000.00 gal
Application event totals		0.00	0.00	0.00	13.35	
07/09/2023	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	13.35	8,664,000.00 gal
Application event totals		0.00	0.00	0.00	13.35	

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

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

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
07/19/2023	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	13.35	8,664,000.00 gal
Application event totals		0.00	0.00	0.00	13.35	
07/29/2023	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	13.35	8,664,000.00 gal
Application event totals		0.00	0.00	0.00	13.35	
08/09/2023	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	13.35	8,664,000.00 gal
Application event totals		0.00	0.00	0.00	13.35	
08/19/2023	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	13.35	8,664,000.00 gal
Application event totals		0.00	0.00	0.00	13.35	
08/29/2023	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	13.35	8,664,000.00 gal
Application event totals		0.00	0.00	0.00	13.35	
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	13.35	8,664,000.00 gal
Application event totals		0.00	0.00	0.00	13.35	

**Field 5 - 11/01/2022: Wheat, silage, boot stage**

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

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

Field 5 - 11/01/2022: Wheat, silage, boot stage

Field name: Field 5Crop: Wheat, silage, boot stagePlant date: 11/01/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
10/10/2022	Plow/disc	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Dry Manure	Corral solids	192.50	110.00	475.00	10,658.63	125.00 ton
Application event totals		192.50	110.00	475.00	10,658.63	
02/04/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	9.61	960,000.00 gal
Application event totals		0.00	0.00	0.00	9.61	
03/02/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	9.81	980,000.00 gal
Application event totals		0.00	0.00	0.00	9.81	
04/05/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	9.61	960,000.00 gal
Application event totals		0.00	0.00	0.00	9.61	

Field 5 - 06/01/2023: Corn, silage

Field name: Field 5Crop: Corn, silagePlant date: 06/01/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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Reporting period 01/01/2023 to 12/31/2023.

Field 5 - 06/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/25/2023	Plow/disc	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Dry Manure	Corral solids	458.50	168.00	1,022.00	17,335.48	175.00 ton
Application event totals		458.50	168.00	1,022.00	17,335.48	
06/25/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	10.61	1,060,000.00 gal
Application event totals		0.00	0.00	0.00	10.61	
07/05/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	10.61	1,060,000.00 gal
Application event totals		0.00	0.00	0.00	10.61	
07/15/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	10.61	1,060,000.00 gal
Application event totals		0.00	0.00	0.00	10.61	
07/25/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	10.61	1,060,000.00 gal
Application event totals		0.00	0.00	0.00	10.61	
08/05/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	10.61	1,060,000.00 gal
Application event totals		0.00	0.00	0.00	10.61	

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**Field 5 - 06/01/2023: Corn, silage**

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
08/15/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	10.61	1,060,000.00 gal
Application event totals		0.00	0.00	0.00	10.61	
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	10.61	1,060,000.00 gal
Application event totals		0.00	0.00	0.00	10.61	
09/05/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	10.61	1,060,000.00 gal
Application event totals		0.00	0.00	0.00	10.61	

**Field L2 - 11/01/2022: Wheat, silage, boot stage**

Field name:	Field L2	Plant date:	11/01/2022			
Crop:	Wheat, silage, boot stage					
Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
02/03/2023	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	9.61	480,000.00 gal
Application event totals		0.00	0.00	0.00	9.61	
03/04/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	9.61	480,000.00 gal
Application event totals		0.00	0.00	0.00	9.61	

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Field L2 - 11/01/2022: Wheat, silage, boot stage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
04/06/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Canal	Surface water	0.00	0.00	0.00	9.61
Application event totals		0.00	0.00	0.00	9.61

Field L2 - 06/01/2023: Corn, silage

Field name: Field L2

Crop: Corn, silage

Plant date: 06/01/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
05/25/2023	Plow/disc	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Dry Manure	Corral solids	314.40	115.20	700.80	11,887.19
Application event totals		314.40	115.20	700.80	11,887.19
07/02/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Canal	Surface water	0.00	0.00	0.00	12.02
Application event totals		0.00	0.00	0.00	12.02
07/12/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Canal	Surface water	0.00	0.00	0.00	12.02
Application event totals		0.00	0.00	0.00	12.02
07/22/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Canal	Surface water	0.00	0.00	0.00	12.02
Application event totals		0.00	0.00	0.00	12.02

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Field L2 - 06/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
08/02/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	12.02	600,000.00 gal
Application event totals		0.00	0.00	0.00	12.02	
08/12/2023	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	12.02	600,000.00 gal
Application event totals		0.00	0.00	0.00	12.02	
08/22/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	12.02	600,000.00 gal
Application event totals		0.00	0.00	0.00	12.02	
09/02/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	12.02	600,000.00 gal
Application event totals		0.00	0.00	0.00	12.02	
09/12/2023	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	12.02	600,000.00 gal
Application event totals		0.00	0.00	0.00	12.02	

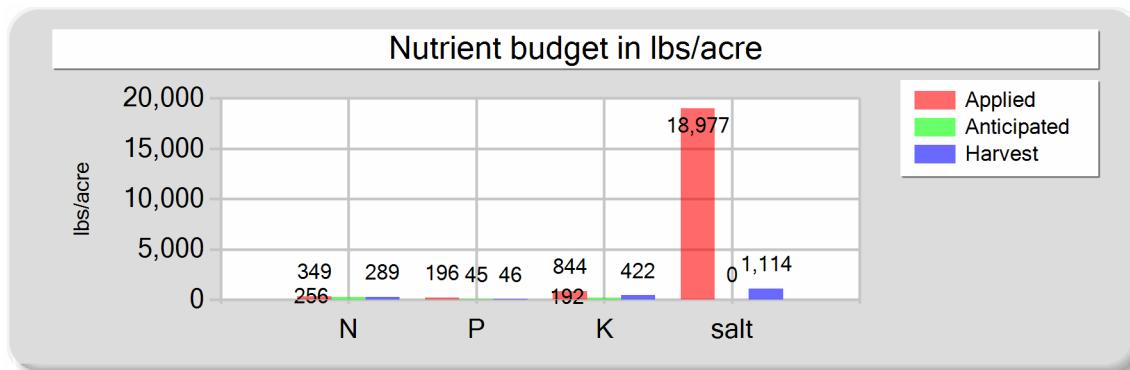
**Annual Report - General Order No. R5-2007-0035**

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

**B. NUTRIENT BUDGET**

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

Field name: Field 1      Crop: Wheat, silage, boot stage      Plant date: 11/01/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	342.22	195.56	844.44	18,948.67
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	28.04
Atmospheric deposition	7.00	0.00	0.00	0.00
<b>Total nutrients applied</b>	<b>349.22</b>	<b>195.56</b>	<b>844.44</b>	<b>18,976.71</b>
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00
Actual crop nutrient removal	288.74	46.06	421.59	1,114.21
Nutrient balance	60.48	149.50	422.85	17,862.50
Applied to removed ratio	1.21	4.25	2.00	17.03

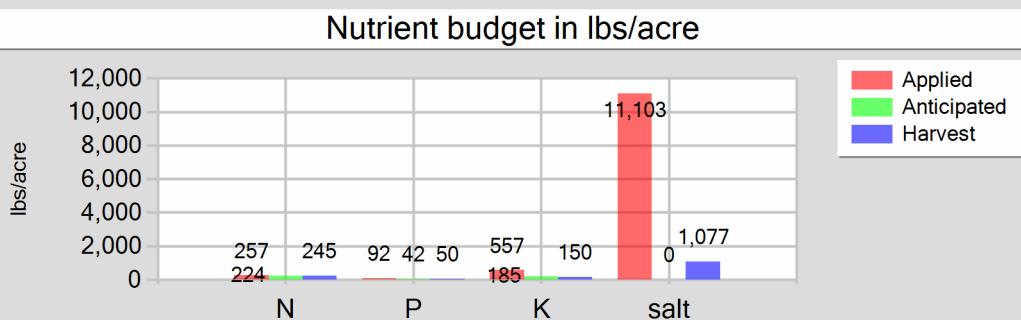
Fresh water applied
2,520,000.00 gallons
92.80 acre-inches
10.31 inches/acre
Process wastewater applied
0.00 gallons
0.00 acre-inches
0.00 inches/acre
Total harvests for the crop
1 harvests

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

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

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

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



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	250.06	91.63	557.40	11,006.65
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	96.13
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	257.06	91.63	557.40	11,102.79
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	244.67	50.14	150.41	1,076.94
Nutrient balance	12.40	41.49	406.98	10,025.84
Applied to removed ratio	1.05	1.83	3.71	10.31

**Fresh water applied**

8,640,000.00 gallons
318.18 acre-inches
35.35 inches/acre

**Process wastewater applied**

0.00 gallons
0.00 acre-inches
0.00 inches/acre

**Total harvests for the crop**

1 harvests
------------

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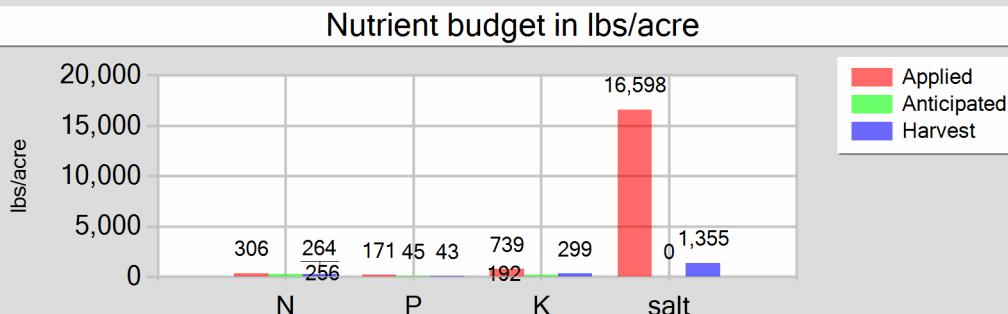
Reporting period 01/01/2023 to 12/31/2023.

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

Field name: Field 2

Crop: Wheat, silage, boot stage

Plant date: 11/01/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	299.44	171.11	738.89	16,580.08
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	18.03
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	306.44	171.11	738.89	16,598.11
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00
Actual crop nutrient removal	263.67	42.76	299.30	1,355.42
Nutrient balance	42.77	128.35	439.59	15,242.69
Applied to removed ratio	1.16	4.00	2.47	12.25

**Fresh water applied**

1,620,000.00 gallons
59.66 acre-inches
6.63 inches/acre

**Process wastewater applied**

0.00 gallons
0.00 acre-inches
0.00 inches/acre

**Total harvests for the crop**

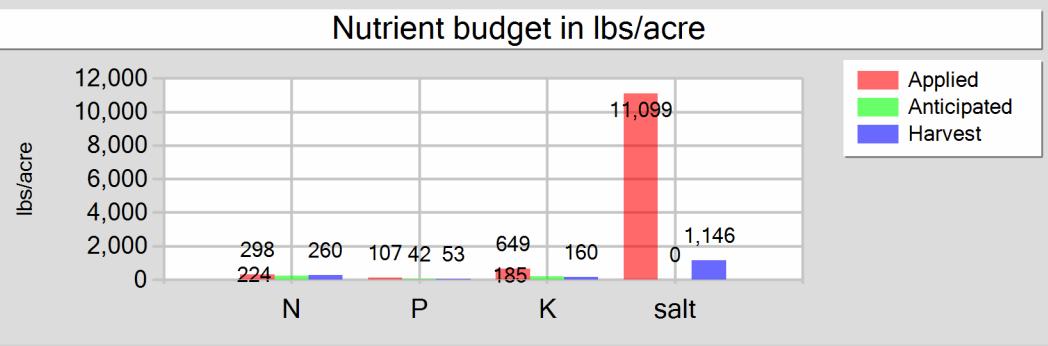
1 harvests
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Reporting period 01/01/2023 to 12/31/2023.

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

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



	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	291.11	106.67	648.89	11,006.65
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	92.57
Atmospheric deposition	7.00	0.00	0.00	0.00
<b>Total nutrients applied</b>	<b>298.11</b>	<b>106.67</b>	<b>648.89</b>	<b>11,099.23</b>
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	260.37	53.35	160.06	1,146.06
<b>Nutrient balance</b>	<b>37.74</b>	<b>53.31</b>	<b>488.82</b>	<b>9,953.17</b>
Applied to removed ratio	1.14	2.00	4.05	9.68

**Fresh water applied**

8,320,000.00 <i>gallons</i>
306.40 <i>acre-inches</i>
34.04 <i>inches/acre</i>

**Process wastewater applied**

0.00 <i>gallons</i>
0.00 <i>acre-inches</i>
0.00 <i>inches/acre</i>

**Total harvests for the crop**

1 <i>harvests</i>
-------------------

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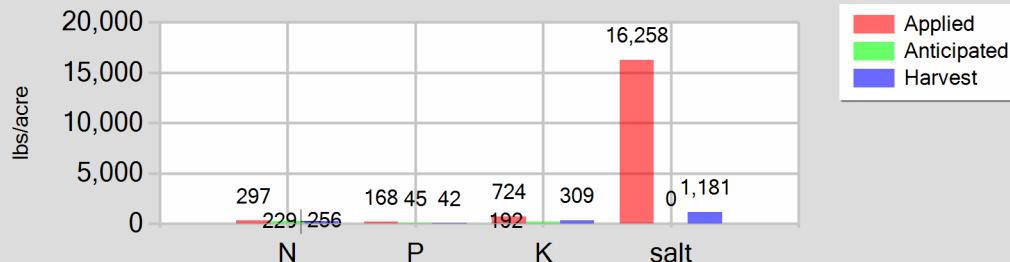
Field 3 - 11/01/2022: Wheat, silage, boot stage

Field name: Field 3

Crop: Wheat, silage, boot stage

Plant date: 11/01/2022

**Nutrient budget in lbs/acre**



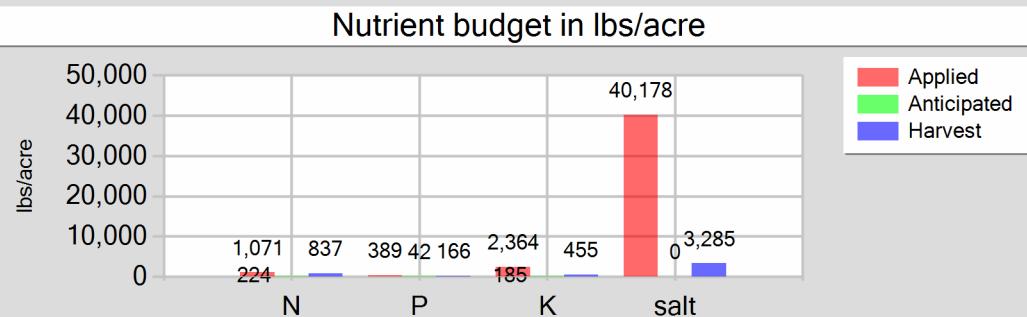
	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	3,480,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	128.16 acre-inches
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	6.10 inches/acre
Dry manure	293.33	167.62	723.81	16,241.71	
Process wastewater	0.00	0.00	0.00	0.00	0.00 gallons
Fresh water	0.00	0.00	0.00	16.59	0.00 acre-inches
Atmospheric deposition	3.50	0.00	0.00	0.00	0.00 inches/acre
Total nutrients applied	296.83	167.62	723.81	16,258.31	
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00	
Actual crop nutrient removal	228.70	42.03	309.05	1,180.57	
Nutrient balance	68.14	125.59	414.76	15,077.74	Total harvests for the crop
Applied to removed ratio	1.30	3.99	2.34	13.77	1 harvests

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

Field name: Field 3      Crop: Corn, silage      Plant date: 06/01/2023



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	1,060.48	388.57	2,363.81	40,095.67
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	82.40
Atmospheric deposition	10.50	0.00	0.00	0.00
<b>Total nutrients applied</b>	<b>1,070.98</b>	<b>388.57</b>	<b>2,363.81</b>	<b>40,178.07</b>
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	836.61	166.09	455.21	3,284.92
<b>Nutrient balance</b>	<b>234.37</b>	<b>222.48</b>	<b>1,908.60</b>	<b>36,893.14</b>
Applied to removed ratio	1.28	2.34	5.19	12.23

**Fresh water applied**

17,280,000.00 <i>gallons</i>
636.36 <i>acre-inches</i>
30.30 <i>inches/acre</i>

**Process wastewater applied**

0.00 <i>gallons</i>
0.00 <i>acre-inches</i>
0.00 <i>inches/acre</i>

**Total harvests for the crop**

3 <i>harvests</i>
-------------------

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

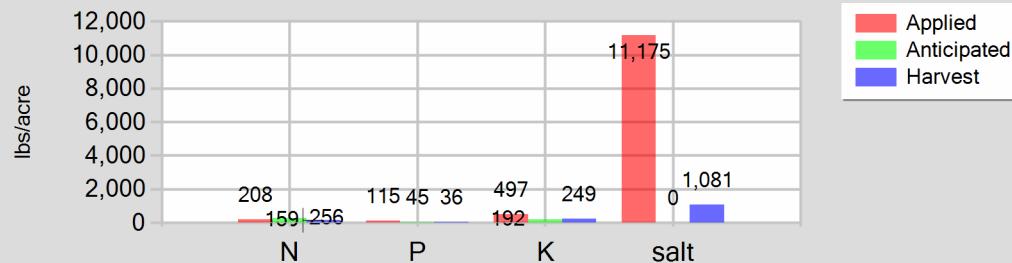
Field 4 - 11/01/2022: Wheat, silage, boot stage

Field name: Field 4

Crop: Wheat, silage, boot stage

Plant date: 11/01/2022

**Nutrient budget in lbs/acre**



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	201.38	115.08	496.92	11,150.56
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	24.66
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	208.38	115.08	496.92	11,175.22
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00
Actual crop nutrient removal	158.76	35.92	249.14	1,081.16
Nutrient balance	49.63	79.15	247.78	10,094.06
Applied to removed ratio	1.31	3.20	1.99	10.34

**Fresh water applied**

16,008,000.00 gallons  
589.52 acre-inches  
9.07 inches/acre

**Process wastewater applied**

0.00 gallons  
0.00 acre-inches  
0.00 inches/acre

**Total harvests for the crop**

1 harvests

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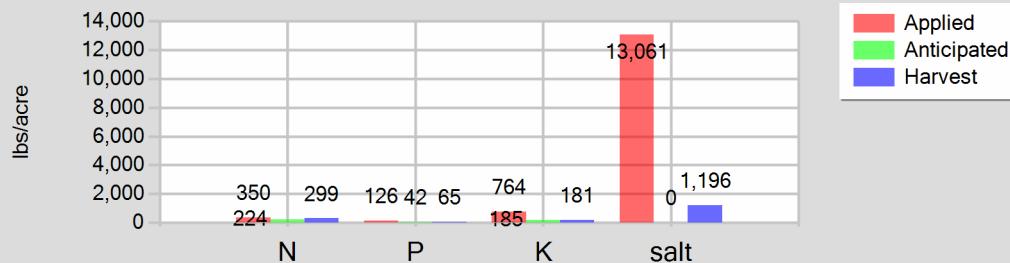
Field 4 - 06/01/2023: Corn, silage

Field name: Field 4

Crop: Corn, silage

Plant date: 06/01/2023

**Nutrient budget in lbs/acre**



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	342.62	125.54	763.69	12,953.98
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	106.78
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	349.62	125.54	763.69	13,060.77
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	298.89	65.45	181.08	1,195.55
Nutrient balance	50.73	60.09	582.61	11,865.21
Applied to removed ratio	1.17	1.92	4.22	10.92

**Fresh water applied**

69,312,000.00 gallons  
2,552.53 acre-inches  
39.27 inches/acre

**Process wastewater applied**

0.00 gallons  
0.00 acre-inches  
0.00 inches/acre

**Total harvests for the crop**

1 harvests

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

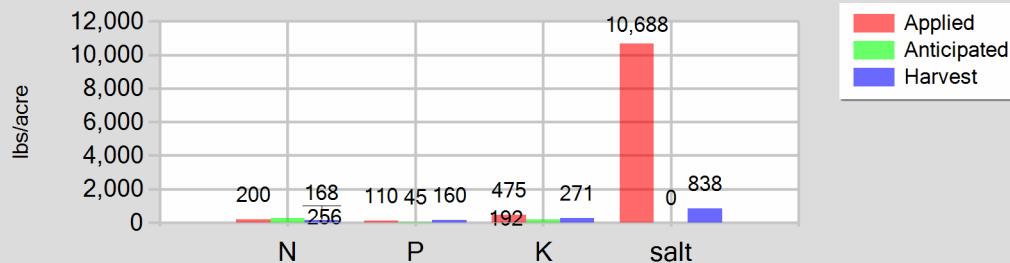
Field 5 - 11/01/2022: Wheat, silage, boot stage

Field name: Field 5

Crop: Wheat, silage, boot stage

Plant date: 11/01/2022

**Nutrient budget in lbs/acre**



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	192.50	110.00	475.00	10,658.63
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	29.04
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	199.50	110.00	475.00	10,687.67
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00
Actual crop nutrient removal	167.88	160.42	271.10	838.17
Nutrient balance	31.62	-50.42	203.90	9,849.49
Applied to removed ratio	1.19	0.69	1.75	12.75

**Fresh water applied**

2,900,000.00 gallons  
106.80 acre-inches  
10.68 inches/acre

**Process wastewater applied**

0.00 gallons  
0.00 acre-inches  
0.00 inches/acre

**Total harvests for the crop**

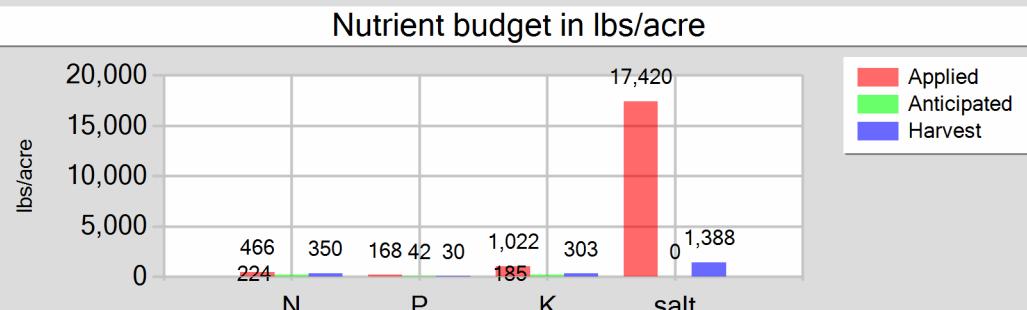
1 harvests

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

Field 5 - 06/01/2023: Corn, silage

Field name: Field 5      Crop: Corn, silage      Plant date: 06/01/2023



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	458.50	168.00	1,022.00	17,335.48
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	84.92
Atmospheric deposition	7.00	0.00	0.00	0.00
<b>Total nutrients applied</b>	<b>465.50</b>	<b>168.00</b>	<b>1,022.00</b>	<b>17,420.40</b>
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	349.66	29.85	302.75	1,387.97
<b>Nutrient balance</b>	<b>115.84</b>	<b>138.15</b>	<b>719.25</b>	<b>16,032.42</b>
Applied to removed ratio	1.33	5.63	3.38	12.55

**Fresh water applied**

8,480,000.00 gallons
312.29 acre-inches
31.23 inches/acre

**Process wastewater applied**

0.00 gallons
0.00 acre-inches
0.00 inches/acre

**Total harvests for the crop**

1 harvests
------------

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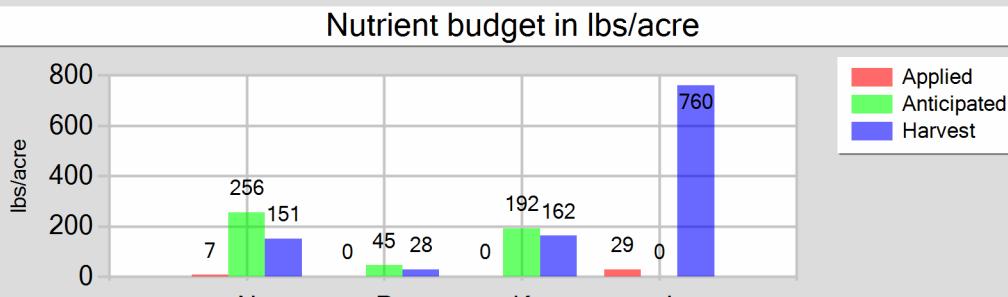
Reporting period 01/01/2023 to 12/31/2023.

Field L2 - 11/01/2022: Wheat, silage, boot stage

Field name: Field L2

Crop: Wheat, silage, boot stage

Plant date: 11/01/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	1,440,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	53.03 acre-inches
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	10.61 inches/acre
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	28.84	
Atmospheric deposition	7.00	0.00	0.00	0.00	
Total nutrients applied	7.00	0.00	0.00	28.84	
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00	Process wastewater applied
Actual crop nutrient removal	150.64	28.05	162.07	760.48	0.00 gallons
Nutrient balance	-143.64	-28.05	-162.07	-731.64	0.00 acre-inches
Applied to removed ratio	0.05	0.00	0.00	0.04	0.00 inches/acre
					Total harvests for the crop
					1 harvests

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

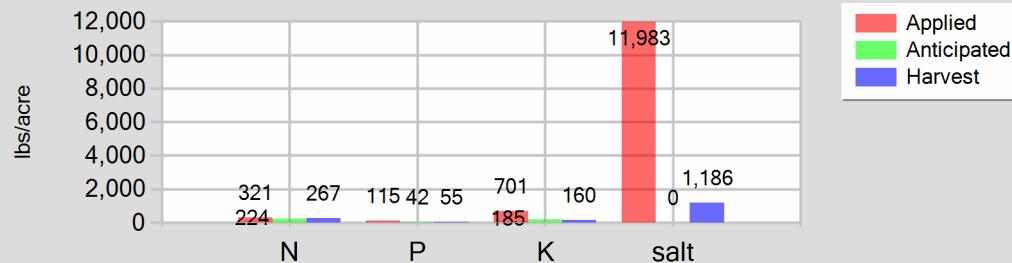
Field L2 - 06/01/2023: Corn, silage

Field name: Field L2

Crop: Corn, silage

Plant date: 06/01/2023

**Nutrient budget in lbs/acre**



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	314.40	115.20	700.80	11,887.19
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	96.13
Atmospheric deposition	7.00	0.00	0.00	0.00
<b>Total nutrients applied</b>	<b>321.40</b>	<b>115.20</b>	<b>700.80</b>	<b>11,983.32</b>
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	266.75	54.56	159.65	1,186.22
<b>Nutrient balance</b>	<b>54.65</b>	<b>60.64</b>	<b>541.15</b>	<b>10,797.10</b>
Applied to removed ratio	1.20	2.11	4.39	10.10

**Fresh water applied**

4,800,000.00 gallons  
176.77 acre-inches  
35.35 inches/acre

**Process wastewater applied**

0.00 gallons  
0.00 acre-inches  
0.00 inches/acre

**Total harvests for the crop**

1 harvests

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

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

**NUTRIENT ANALYSES****A. MANURE ANALYSES****Dry Manure**

Sample and source description: Dry Manure

Sample date: 06/09/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 14.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	13,100.00	4,800.00	29,200.00	10,900.00	4,700.00	4,000.00	3,100.00	972.60		57.66
DL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00		1.00

**Dry Manure**

Sample and source description: Dry Manure

Sample date: 10/16/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 33.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	7,700.00	4,400.00	19,000.00							64.50
DL	100.00	100.00	100.00							1.00

**B. PROCESS WASTEWATER ANALYSES**

No process wastewater analyses entered.

**C. FRESH WATER ANALYSES****AR-1 Dom**

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

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

**AR-1 Dom****AR1-Dom**Sample description: AR1-DomSample date: 12/12/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC ( $\mu$ mhos/cm)	TDS (mg/L)
Value	0.60										1,150.00	
DL	0.10											1.00

**AR2-Dom****AR2 Dom**Sample description: AR2 DomSample date: 12/12/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC ( $\mu$ mhos/cm)	TDS (mg/L)
Value	1.30										666.00	
DL	1.00											1.00

**AR3-Dom****AR 3-Dom**Sample description: AR 3-DomSample date: 12/12/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC ( $\mu$ mhos/cm)	TDS (mg/L)
Value	2.90										659.00	
DL	0.10											1.00

**AR7-Dom**

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

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

**AR7-Dom****AR7-Dom**Sample description: AR7-DomSample date: 12/12/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC ( $\mu$ mhos/cm)	TDS (mg/L)
Value	0.70										1,110.00	
DL	0.10										1.00	

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

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

**D. SOIL ANALYSES**

No soil analyses entered.

**E. PLANT TISSUE ANALYSES**

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

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

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

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

Field 1

Sample and source description: Field 1

Sample date: 05/23/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 49.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	16,300.00	2,600.00	23,800.00		6.29
<b>DL</b>	100.00	100.00	100.00		1.00

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

1

Sample and source description: 1

Sample date: 12/08/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 63.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	12,200.00	2,500.00	7,500.00		5.37
<b>DL</b>	100.00	100.00	100.00		1.00

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

2

Sample and source description: 2

Sample date: 05/23/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 61.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	18,500.00	3,000.00	21,000.00		9.51
<b>DL</b>	100.00	100.00	100.00		1.00

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

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

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

2

Sample and source description: 2

Sample date: 12/08/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 63.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	12,200.00	2,500.00	7,500.00		5.37
<b>DL</b>	100.00	100.00	100.00		1.00

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

3

Sample and source description: 3

Sample date: 05/23/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 62.3 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	18,500.00	3,400.00	25,000.00		9.55
<b>DL</b>	100.00	100.00	100.00		1.00

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

3

Sample and source description: 3

Sample date: 12/08/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 64.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	13,600.00	2,700.00	7,400.00		5.34
<b>DL</b>	100.00	100.00	100.00		1.00

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

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

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

4

Sample and source description: 4

Sample date: 05/23/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 63.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	13,700.00	3,100.00	21,500.00		9.33
<b>DL</b>	100.00	100.00	100.00		1.00

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

4

Sample and source description: 4

Sample date: 12/08/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 62.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	13,700.00	3,000.00	8,300.00		5.48
<b>DL</b>	100.00	100.00	100.00		1.00

Field 5 - 11/01/2022: Wheat, silage, boot stage

5

Sample and source description: 5

Sample date: 05/25/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 62.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	13,500.00	12,900.00	21,800.00		6.74
<b>DL</b>	100.00	100.00	100.00		1.00

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

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

Field 5 - 06/01/2023: Corn, silage

5

Sample and source description: 5

Sample date: 12/08/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 63.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	16,400.00	1,400.00	14,200.00		6.51
<b>DL</b>	100.00	100.00	100.00		1.00

Field L2 - 11/01/2022: Wheat, silage, boot stage

L2

Sample and source description: L2

Sample date: 05/27/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 66.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	14,500.00	2,700.00	15,600.00		7.32
<b>DL</b>	100.00	100.00	100.00		1.00

Field L2 - 06/01/2023: Corn, silage

L2

Sample and source description: L2

Sample date: 12/08/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 61.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	13,200.00	2,700.00	7,900.00		5.87
<b>DL</b>	100.00	100.00	100.00		1.00

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

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

**F. SUBSURFACE (TILE) DRAINAGE ANALYSES**

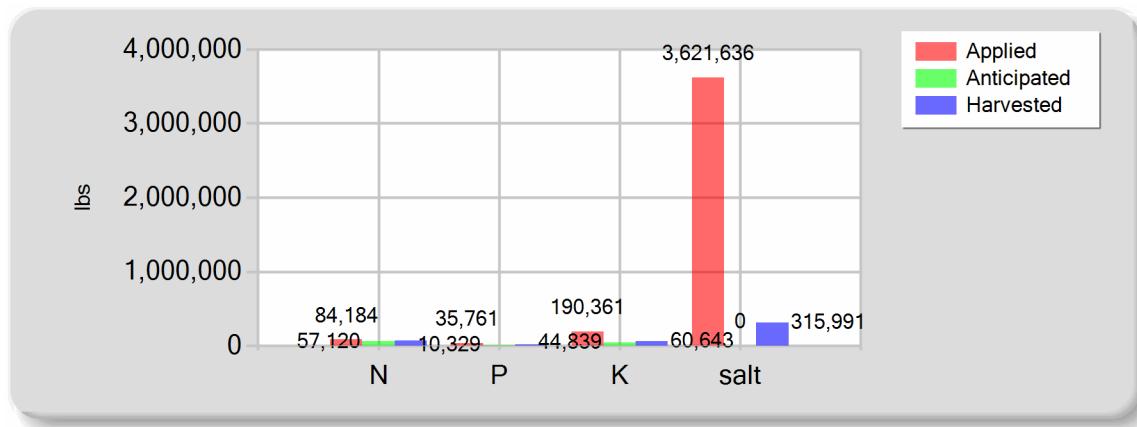
*No subsurface (tile) drainage analyses entered.*

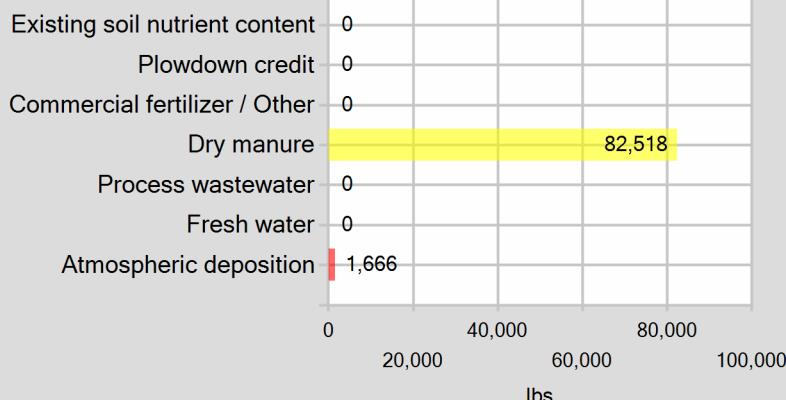
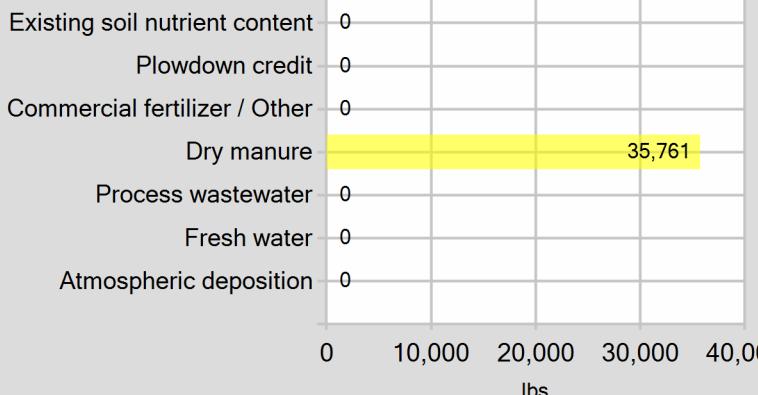
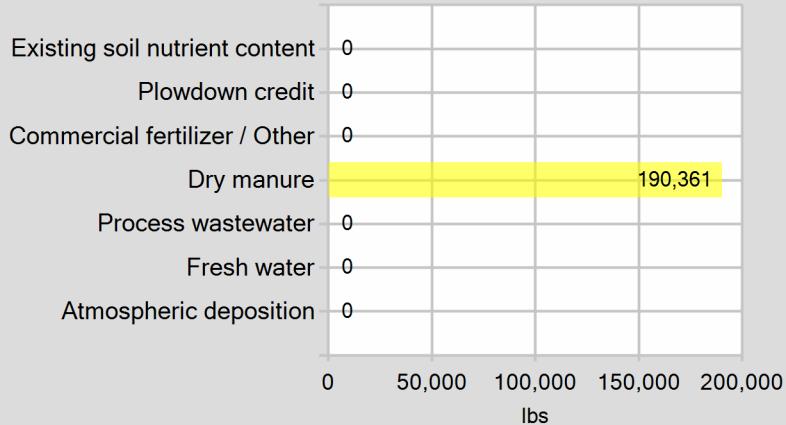
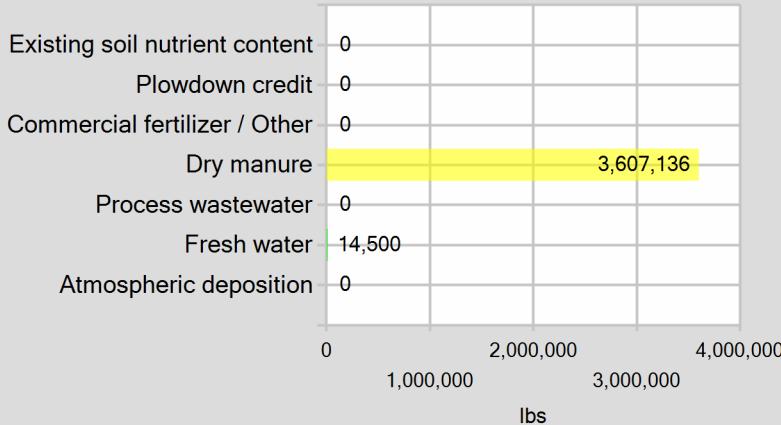
**Annual Report - General Order No. R5-2007-0035**

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	82,517.58	35,760.64	190,360.56	3,607,135.94
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	14,500.27
Atmospheric deposition	1,666.00	0.00	0.00	0.00
Total nutrients applied	84,183.58	35,760.64	190,360.56	3,621,636.21
Anticipated crop nutrient removal	57,120.00	10,329.20	44,839.20	0.00
Actual crop nutrient removal	68,897.77	15,006.34	60,643.40	315,990.76
Nutrient balance	15,285.81	20,754.30	129,717.16	3,305,645.45
Applied to removed ratio	1.22	2.38	3.14	11.46

**B. POUNDS OF NUTRIENT APPLIED VS. CROP REMOVAL**

**C. POUNDS OF NUTRIENT APPLIED BY MATERIAL TYPE****Pounds of nitrogen applied****Pounds of phosphorus applied****Pounds of potassium applied****Pounds of salt applied**

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

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

**EXCEPTION REPORTING**

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

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

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

**B. STORM WATER DISCHARGES**

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

*No stormwater discharges occurred during the reporting period.*

**C. LAND APPLICATION AREA TO SURFACE WATER DISCHARGES**

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

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

**NUTRIENT MANAGEMENT PLAN AND EXPORT AGREEMENT STATEMENTS**

**A. NUTRIENT MANAGEMENT PLAN STATEMENTS**

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

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

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

**B. EXPORT AGREEMENT STATEMENT**

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

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

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

**ADDITIONAL NOTES**

**A. NOTES**

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

There are only heifers at the facility, so no wastewater was created since the barn was not running.

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

**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

Paul Ribeiro

PRINT OR TYPE NAME

---

SIGNATURE OF OPERATOR OF FACILITY

Jim Wilson

PRINT OR TYPE NAME

---

DATE

---

DATE

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

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

**ATTACHMENTS**

**A. REQUIRED ATTACHMENTS**

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

**Annual Dairy Facility Assessment**

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

**Manure/Process Wastewater Tracking Manifests**

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

**Corrective Actions Documents**

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

**Groundwater Monitoring**

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

**Storm Water Monitoring**

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

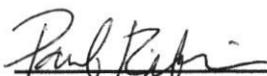
**Annual Report - General Order No. R5-2007-0035**

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

**CERTIFICATION**

**A. OWNER AND/OR OPERATOR CERTIFICATION**

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



SIGNATURE OF OWNER OF FACILITY

Paul Ribeiro

PRINT OR TYPE NAME

0125124

DATE



SIGNATURE OF OPERATOR OF FACILITY

Jim Wilson

PRINT OR TYPE NAME

0125124

DATE

**Manure / Process Wastewater Tracking Manifest**

For

**Existing Milk Cow Dairies**

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

**INSTRUCTIONS**

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

**OPERATOR INFORMATION**Name of Operator: Jim WilsonName of Dairy Facility: J&D Wilson Dry Cows

Facility Address:

430 W Mt. Whitney AVE Number and Street	Riverdale City	Fresno County	93656 Zip Code
--	-------------------	------------------	-------------------

Contact Person Name and Phone Number:	<u>Jim Wilson</u> Name	(559) 240-5206 Phone Number
---------------------------------------	---------------------------	--------------------------------

**MANURE HAULER INFORMATION**Name of Hauling Company/Person: Thomas Bros Spreading

Address of Hauling Company/Person:

19721 Exceislor Number and Street	Riverdale City	CA State	93656 Zip Code
--------------------------------------	-------------------	-------------	-------------------

Contact Person:	<u>Manuel Thomas</u> Name	(559) 906-1406 Phone Number
-----------------	------------------------------	--------------------------------

**DESTINATION INFORMATION**Composting Facility / Broker / Farmer / Other (identify): Broker

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

Thomas Bros Hauling Name	(559) 906-1406 Phone Number
-----------------------------	--------------------------------

19721 Exceislor Address	Riverdale City	CA State	93656 Zip Code
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Destination Address or Assessor's Parcel Number:

Address	Riverdale City	93656 Zip Code
---------	-------------------	-------------------

Stoneland Street and nearest cross street (if no address)	Fresno County
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Assessor's Parcel Number      Assessor's Parcel Number County

Last date hauled: 11/15/2023

**Manure / Process Wastewater Tracking Manifest**

**For**

**Existing Milk Cow Dairies**

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

**MANURE AMOUNT HAULED**

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

Manure: 2,000.00 tons

Manure Solids Content: 66.1 %

Method used to determine amount of manure:

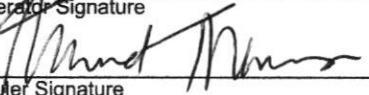
Weighted Average

**CERTIFICATION**

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

  
Operator Signature

01/24/17  
Date

  
Hauler Signature

01/24/17  
Date

**Manure / Process Wastewater Tracking Manifest  
For  
Existing Milk Cow Dairies**

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

**INSTRUCTIONS**

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

**OPERATOR INFORMATION**

Name of Operator: Jim Wilson

Name of Dairy Facility: J&D Wilson Dry Cows

Facility Address:

430 W Mt. Whitney AVE Number and Street	Riverdale City	Fresno County	93656 Zip Code
--	-------------------	------------------	-------------------

Contact Person Name and Phone Number:	<u>Jim Wilson</u> Name	(559) 240-5206 Phone Number
---------------------------------------	---------------------------	--------------------------------

**MANURE HAULER INFORMATION**

Name of Hauling Company/Person: Thomas Bros Spreading

Address of Hauling Company/Person:

19721 Excesslisor Number and Street	Riverdale City	CA State	93656 Zip Code
--	-------------------	-------------	-------------------

Contact Person: <u>Manuel Thomas</u> Name	(559) 906-1406 Phone Number
--	--------------------------------

**DESTINATION INFORMATION**

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

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

Thomas Bros Hauling Name	(559) 906-1406 Phone Number
-----------------------------	--------------------------------

19721 Excesslisor Address	Riverdale City	CA State	93656 Zip Code
------------------------------	-------------------	-------------	-------------------

Destination Address or Assessor's Parcel Number:

Address	Riverdale City	93656 Zip Code
---------	-------------------	-------------------

Stockpile Street and nearest cross street (if no address)	Fresno County
--	------------------

Assessor's Parcel Number

Assessor's Parcel Number County

Last date hauled: 11/05/2023

**Manure / Process Wastewater Tracking Manifest  
For  
Existing Milk Cow Dairies**

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

**MANURE AMOUNT HAULED**

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

Manure: 1,600.00 tons

Manure Solids Content: 66.1 %

Method used to determine amount of manure:

Weighted Average

**CERTIFICATION**

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

Operator Signature

John Miller

Date

Hauler Signature

Mark Thomas

Date



J & D Wilson Dry Cows  
960 N. San Antonio Rd Suite 114  
Los Altos, CA 94022

Account# 00-0025818  
Account Manager: Ben Nydam  
Submitted By: Christina Medeiros

Received: 12/13/2023 7:00  
Reported: 12/20/2023 13:43

### Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23L0737-01	AR-1 Dom	Ag Water	Medeiros		12/12/2023 9:45
23L0737-02	AR-2 Dom	Ag Water	Medeiros		12/12/2023 9:50
23L0737-03	AR-3 Dom	Ag Water	Medeiros		12/12/2023 10:00
23L0737-04	AR-7 Dom	Ag Water	Medeiros		12/12/2023 10:05

Default Cooler      Temperature on Receipt °C: 15.2  
Containers Intact  
COC/Labels Agree  
Received On Ice

### Notes and Definitions

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

Laboratory Director/Technical Manager

ELAP Certification #1595  
A2LA Certification #6440.02

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



J & D Wilson Dry Cows  
960 N. San Antonio Rd Suite 114  
Los Altos, CA 94022

Account# 00-0025818  
Account Manager: Ben Nydam  
Submitted By: Christina Medeiros

Received: 12/13/2023 7:00  
Reported: 12/20/2023 13:43

### Sample Results

**Sample: AR-1 Dom**  
**23L0737-01 (Water)**

Sampled: 12/12/2023 9:45  
Sampled By: Medeiros

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
<b>Electrical Conductivity</b>	<b>1.15</b>	mmhos/cm	0.01	1		12/13/23 19:06	SM 2510 B		BEL0587
<b>Electrical Conductivity umhos</b>	<b>1150</b>	umhos/cm	10.0	1		12/13/23 19:06	SM 2510 B		BEL0587
Ammonia (as N)	ND	mg/L	0.00	1		12/12/23 09:45	Field		BEL0540
<b>Nitrate Nitrogen as NO3N</b>	<b>0.6</b>	mg/L	0.1	1	10	12/14/23 14:19	EPA 300.0		BEL0569
<b>Temperature</b>	<b>25.0</b>	units	0.0	1		12/13/23 19:06	SM 4500-H+	H	BEL0587
<b>pH</b>	<b>7.8</b>	units	1.0	1		12/13/23 19:06	SM 4500-H+	H	BEL0587

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J & D Wilson Dry Cows  
960 N. San Antonio Rd Suite 114  
Los Altos, CA 94022

Account# 00-0025818  
Account Manager: Ben Nydam  
Submitted By: Christina Medeiros

Received: 12/13/2023 7:00  
Reported: 12/20/2023 13:43

**Sample: AR-2 Dom**  
**23L0737-02 (Water)**

Sampled: 12/12/2023 9:50

Sampled By: Medeiros

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
<b>Electrical Conductivity</b>	<b>0.67</b>	mmhos/cm	0.01	1		12/13/23 19:08	SM 2510 B		BEL0587
<b>Electrical Conductivity umhos</b>	<b>666</b>	umhos/cm	10.0	1		12/13/23 19:08	SM 2510 B		BEL0587
Ammonia (as N)	ND	mg/L	0.00	1		12/12/23 09:50	Field		BEL0540
<b>Nitrate Nitrogen as NO3N</b>	<b>1.3</b>	mg/L	0.1	1	10	12/14/23 14:40	EPA 300.0		BEL0569
<b>Temperature</b>	<b>25.0</b>	units	0.0	1		12/13/23 19:08	SM 4500-H+	H	BEL0587
<b>pH</b>	<b>8.3</b>	units	1.0	1		12/13/23 19:08	SM 4500-H+	H	BEL0587

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J & D Wilson Dry Cows  
960 N. San Antonio Rd Suite 114  
Los Altos, CA 94022

Account# 00-0025818  
Account Manager: Ben Nydam  
Submitted By: Christina Medeiros

Received: 12/13/2023 7:00  
Reported: 12/20/2023 13:43

**Sample: AR-3 Dom**  
**23L0737-03 (Water)**

Sampled: 12/12/2023 10:00

Sampled By: Medeiros

**Sample Results**  
**(Continued)**

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
<b>Electrical Conductivity</b>	<b>0.66</b>	mmhos/cm	0.01	1		12/13/23 19:09	SM 2510 B		BEL0587
<b>Electrical Conductivity umhos</b>	<b>659</b>	umhos/cm	10.0	1		12/13/23 19:09	SM 2510 B		BEL0587
Ammonia (as N)	ND	mg/L	0.00	1		12/12/23 10:00	Field		BEL0540
<b>Nitrate Nitrogen as NO3N</b>	<b>2.9</b>	mg/L	0.1	1	10	12/14/23 15:02	EPA 300.0		BEL0569
<b>Temperature</b>	<b>25.0</b>	units	0.0	1		12/13/23 19:09	SM 4500-H+	H	BEL0587
<b>pH</b>	<b>8.3</b>	units	1.0	1		12/13/23 19:09	SM 4500-H+	H	BEL0587

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Account# 00-0025818  
Account Manager: Ben Nydam  
Submitted By: Christina Medeiros

Received: 12/13/2023 7:00  
Reported: 12/20/2023 13:43

**Sample: AR-7 Dom**  
**23L0737-04 (Water)**

Sampled: 12/12/2023 10:05

Sampled By: Medeiros

**Sample Results**  
**(Continued)**

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
<b>Electrical Conductivity</b>	<b>1.11</b>	mmhos/cm	0.01	1		12/14/23 14:49	SM 2510 B		BEL0614
<b>Electrical Conductivity umhos</b>	<b>1110</b>	umhos/cm	10.0	1		12/14/23 14:49	SM 2510 B		BEL0614
Ammonia (as N)	ND	mg/L	0.00	1		12/12/23 10:05	Field		BEL0540
<b>Nitrate Nitrogen as NO3N</b>	<b>0.7</b>	mg/L	0.1	1	10	12/14/23 15:24	EPA 300.0		BEL0569
<b>Temperature</b>	<b>25.0</b>	units	0.0	1		12/14/23 14:49	SM 4500-H+	H	BEL0614
<b>pH</b>	<b>6.6</b>	units	1.0	1		12/14/23 14:49	SM 4500-H+	H	BEL0614

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Los Altos, CA 94022

Account# 00-0025818  
Account Manager: Ben Nydam  
Submitted By: Christina Medeiros

Received: 12/13/2023 7:00  
Reported: 12/20/2023 13:43

## Quality Control

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
<b>Batch: BEL0569</b>									
<b>Blank (BEL0569-BLK1)</b>									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared & Analyzed: 12/14/2023				
<b>Blank (BEL0569-BLK2)</b>									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared & Analyzed: 12/14/2023				
<b>Blank (BEL0569-BLK3)</b>									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared & Analyzed: 12/14/2023				
<b>Blank (BEL0569-BLK4)</b>									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared & Analyzed: 12/14/2023				
<b>LCS (BEL0569-BS1)</b>									
Nitrate Nitrogen as NO3N	5.0	0.1	mg/L	5.000	99.3	90-110			
<b>LCS (BEL0569-BS2)</b>									
Nitrate Nitrogen as NO3N	5.2	0.1	mg/L	5.000	103	90-110			
<b>LCS (BEL0569-BS3)</b>									
Nitrate Nitrogen as NO3N	4.9	0.1	mg/L	5.000	98.7	90-110			
<b>Duplicate (BEL0569-DUP1)</b>									
Nitrate Nitrogen as NO3N	0.06	0.1	mg/L	0.06			1.77	10	
<b>Duplicate (BEL0569-DUP2)</b>									
Nitrate Nitrogen as NO3N	0.06	0.1	mg/L	0.06			0.00	10	
<b>Duplicate (BEL0569-DUP3)</b>									
Nitrate Nitrogen as NO3N	0.06	0.1	mg/L	0.05			1.83	10	
<b>Matrix Spike (BEL0569-MS1)</b>									
Nitrate Nitrogen as NO3N	5.0	0.1	mg/L	5.000	0.06	98.6	90-110		
<b>Matrix Spike (BEL0569-MS2)</b>									
Nitrate Nitrogen as NO3N	4.8	0.1	mg/L	5.000	0.06	94.2	90-110		
<b>Matrix Spike (BEL0569-MS3)</b>									
Nitrate Nitrogen as NO3N	4.8	0.1	mg/L	5.000	0.05	94.1	90-110		
<b>Reference (BEL0569-SRM1)</b>									
Nitrate Nitrogen as NO3N	9.7		mg/L	10.00	97.4	90-110			
<b>Reference (BEL0569-SRM2)</b>									
Nitrate Nitrogen as NO3N	9.8		mg/L	10.00	98.4	90-110			

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Account# 00-0025818  
Account Manager: Ben Nydam  
Submitted By: Christina Medeiros

Received: 12/13/2023 7:00  
Reported: 12/20/2023 13:43

**Quality Control**  
**(Continued)**

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
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***Batch: BEL0569 (Continued)***

**Reference (BEL0569-SRM3)**

Nitrate Nitrogen as NO <sub>3</sub> N	9.9	mg/L	10.00	99.0	90-110
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**Reference (BEL0569-SRM4)**

Nitrate Nitrogen as NO <sub>3</sub> N	10.0	mg/L	10.00	99.7	90-110
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## Quality Control (Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
<b>Batch: BEL0587</b>									
<b>Blank (BEL0587-BLK1)</b>									
Temperature 25.0 0.0 units Prepared & Analyzed: 12/13/2023									
Electrical Conductivity ND 0.01 mmhos/cm									
Electrical Conductivity umhos ND 10.0 umhos/cm									
pH 5.5 1.0 units									
<b>Blank (BEL0587-BLK2)</b>									
Temperature 25.0 0.0 units Prepared & Analyzed: 12/13/2023									
Electrical Conductivity ND 0.01 mmhos/cm									
Electrical Conductivity umhos ND 10.0 umhos/cm									
pH 7.3 1.0 units									
<b>Blank (BEL0587-BLK3)</b>									
Electrical Conductivity ND 0.01 mmhos/cm Prepared & Analyzed: 12/13/2023									
Temperature 25.0 0.0 units									
Electrical Conductivity umhos ND 10.0 umhos/cm									
pH 7.7 1.0 units									
<b>Duplicate (BEL0587-DUP1)</b>									
Source: 23L0731-02 Prepared & Analyzed: 12/13/2023									
Electrical Conductivity 0.34 0.01 mmhos/cm									
pH 7.2 1.0 units									
Electrical Conductivity umhos 335 10.0 umhos/cm									
<b>Duplicate (BEL0587-DUP2)</b>									
Source: 23L0737-03 Prepared & Analyzed: 12/13/2023									
Electrical Conductivity 0.68 0.01 mmhos/cm									
Electrical Conductivity umhos 682 10.0 umhos/cm									
pH 8.3 1.0 units									
<b>Reference (BEL0587-SRM1)</b>									
Prepared & Analyzed: 12/13/2023									
Electrical Conductivity 448 umhos/cm									
426.0 105 90-110									
<b>Reference (BEL0587-SRM2)</b>									
Prepared & Analyzed: 12/13/2023									
pH 7.5 units									
7.520 100 67021-101.3%									
<b>Reference (BEL0587-SRM3)</b>									
Prepared & Analyzed: 12/13/2023									
Electrical Conductivity 1080 umhos/cm									
1000 108 90-110									
Electrical Conductivity umhos 1080 umhos/cm									
1000 108 90-110									
<b>Reference (BEL0587-SRM4)</b>									
Prepared & Analyzed: 12/13/2023									
Electrical Conductivity 1070 umhos/cm									
1000 107 90-110									
Electrical Conductivity umhos 1070 umhos/cm									
1000 107 90-110									
<b>Reference (BEL0587-SRM5)</b>									
Prepared & Analyzed: 12/13/2023									
Electrical Conductivity 1060 umhos/cm									
1000 106 90-110									

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Received: 12/13/2023 7:00  
Reported: 12/20/2023 13:43

**Quality Control**  
**(Continued)**

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
<b>Batch: BEL0587 (Continued)</b>									
<b>Reference (BEL0587-SRM5)</b>									
Electrical Conductivity umhos	1060		umhos/cm	1000	106	90-110			
<b>Reference (BEL0587-SRM6)</b>									
pH	4.0		units	4.000	101	97.5-102.5			
<b>Reference (BEL0587-SRM7)</b>									
pH	4.0		units	4.000	101	97.5-102.5			
<b>Reference (BEL0587-SRM8)</b>									
pH	4.0		units	4.000	100	97.5-102.5			

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Received: 12/13/2023 7:00  
Reported: 12/20/2023 13:43

## Quality Control (Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
<b>Batch: BEL0614</b>									
<b>Blank (BEL0614-BLK1)</b>									
Temperature	25.0	0.0	units						
Electrical Conductivity	0.10	0.01	mmhos/cm						
Electrical Conductivity umhos	97.4	10.0	umhos/cm						
pH	3.2	1.0	units						
<b>Blank (BEL0614-BLK2)</b>									
Temperature	25.0	0.0	units						
Electrical Conductivity	0.01	0.01	mmhos/cm						
Electrical Conductivity umhos	10.5	10.0	umhos/cm						
pH	4.4	1.0	units						
<b>Blank (BEL0614-BLK3)</b>									
Electrical Conductivity	ND	0.01	mmhos/cm						
Temperature	25.0	0.0	units						
pH	7.6	1.0	units						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
<b>Duplicate (BEL0614-DUP1)</b>									
		<b>Source: 23L0743-03</b>							
Electrical Conductivity	2.12	0.01	mmhos/cm		2.12			0.165	10
pH	7.8	1.0	units		7.8			0.258	10
Electrical Conductivity umhos	2120	10.0	umhos/cm		2120			0.165	10
<b>Duplicate (BEL0614-DUP2)</b>									
		<b>Source: 23L0771-01</b>							
Electrical Conductivity	0.66	0.01	mmhos/cm		0.66			0.923	10
pH	7.5	1.0	units		7.6			0.529	10
Electrical Conductivity umhos	664	10.0	umhos/cm		658			0.923	10
<b>Reference (BEL0614-SRM1)</b>									
Electrical Conductivity	458		umhos/cm		426.0	107	90-110		
<b>Reference (BEL0614-SRM2)</b>									
pH	7.5		units		7.520	100	67021-101.3%		
<b>Reference (BEL0614-SRM3)</b>									
Electrical Conductivity	1150		umhos/cm		1000	115	90-110		
Electrical Conductivity umhos	1150		umhos/cm		1000	115	90-110		
<b>Reference (BEL0614-SRM4)</b>									
Electrical Conductivity	1060		umhos/cm		1000	106	90-110		
Electrical Conductivity umhos	1060		umhos/cm		1000	106	90-110		
<b>Reference (BEL0614-SRM5)</b>									
Electrical Conductivity	1090		umhos/cm		1000	109	90-110		

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Account Manager: Ben Nydam  
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Received: 12/13/2023 7:00  
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**Quality Control**  
**(Continued)**

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
<b>Batch: BEL0614 (Continued)</b>									
<b>Reference (BEL0614-SRM5)</b>									
Electrical Conductivity umhos	1090		umhos/cm	1000	109	90-110			
<b>Reference (BEL0614-SRM6)</b>									
pH	4.0		units	4.000	100	97.5-102.5			
<b>Reference (BEL0614-SRM7)</b>									
pH	4.0		units	4.000	101	97.5-102.5			
<b>Reference (BEL0614-SRM8)</b>									
pH	4.0		units	4.000	100	97.5-102.5			

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12/13/23 07:00

23L0737

Shipping Information: Shipped In <input type="checkbox"/> Picked-Up <input type="checkbox"/> Walk In <input type="checkbox"/> DLI Sampler <input type="checkbox"/> Other <input type="checkbox"/>											
<input type="checkbox"/> Samples refrigerated before pick up					<input type="checkbox"/> Picked up samples placed in Ice chest						
Container: Ice Chest <input checked="" type="checkbox"/> Box <input type="checkbox"/> None <input type="checkbox"/>					Refrigerant: Wet Ice <input checked="" type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/>						
Samples Preserved with HNO <sub>3</sub> or H <sub>2</sub> SO <sub>4</sub> were: <input type="checkbox"/> Received Preserved <input type="checkbox"/> Preserved Upon Receipt at Laboratory											
Type of Container(s) Received	1	2	3	4	5	6	7	8	9	10	Sample Number
Sample Containers for Internal (DLI) Use (Containers that go into the Lab)											
Plastics	100 mL sterile plastic Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO <sub>3</sub> (Red) Plastic										
	* pH Value										
	250 mL H <sub>2</sub> SO <sub>4</sub> (Yellow) Plastic										
	* pH Value										
	500 mL unpreserved (White) Plastic										
1 L unpreserved (White) Plastic											
1 L unpreserved (BOD) (Purple) Plastic											
Special	500mL unpreserved (White) Glass										
	PO4-P Kit										
	Other:										
Sample Containers for Subcontracted ("Send Out") Analyses (Containers that go in the Subcontract ("Send Out") Refrigerator)											
Plastics	100 mL sterile plastic Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO <sub>3</sub> (Red) Plastic										
	250 mL H <sub>2</sub> SO <sub>4</sub> (Yellow) Plastic										
	500 mL HNO <sub>3</sub> (Red)										
	1 L unpreserved (White) Plastic										
	1 L unpreserved (BOD) (Purple) Plastic										
VOA Vials	100 mL sterile plastic Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> + MCAA (EPA531)										
	40 mL VOA, Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (EPA547)										
	40mL AG VOA unpreserved (White) (Set of 3)										
	40 mL AG VOA, Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (Green) (Set of 3)										
	40mL VOA, H <sub>3</sub> PO <sub>4</sub> (Set of 3)										
	40 mL VOA, HCl (Blue) (Set of 3)										
	40 mL VOA, Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (Green) (Set of 3)										
Glass	250 mL AG unpreserved (White)										
	250 mL AG H <sub>2</sub> SO <sub>4</sub> (Yellow)										
	250 mL AG Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (Green)										
	250 mL AG Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> + MCAA										
	500 mL glass unpreserved (White)										
	500 mL AG HCl (Blue)										
	1 L AG unpreserved (White)										
Special	1 L AG H <sub>2</sub> SO <sub>4</sub> (Yellow)										
	1 L AG Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (Green)										
	1 L AG HCl (Blue)										
	Cr <sup>6+</sup> - 50mL Plastic w/Borate/HCO <sub>3</sub> /CO <sub>3</sub>										
	Cyanide - 500 mL NaOH										
	Asbestos - 1L P wrapped in foil (Set of 2)										
	Sulfide - 1 L AG or P NaOH + ZnAc										
Chlorite/Bromate - 250 mL AG with EDA											
HAAS - 250mL AG Ammonium Chlorite											
DO KIT											
Other:											
Other:											



12/13/23 07:00

23L0737

59

Bill To: 25818 Cons. 8

Purchase Order No. \_\_\_\_\_ Results Needed By \_\_\_\_\_

Client **J&D Wilson Dry Cows**  
 Address 960 N. San Antonio Rd Suite 114  
 City, State, Zip Los Altos, CA 94022  
 Email wilsonriverdale@aol.com

Copy to: mel\_tinamedeiros@yahoo.com

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

Facility: \_\_\_\_\_

Date sampled \_\_\_\_\_

Sampled by Medeiros

QA/QC Document  Copy of Chain  RWQCB

**DESCRIPTION OF SAMPLES**

1. AR-1 Dam Sampled From: \_\_\_\_\_
2. AR-2 Dam Sampled From: \_\_\_\_\_
3. AR-3 Dam Sampled From: \_\_\_\_\_
4. AR-7 Dam 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>DR</u>	DLI	12/12/23 11:32AM	12/12/23 11:32AM
Second	<u>Porter Goss</u>	DLI	12/12/23 11:32AM	
Third				
Fourth	<u>AG</u>	DLI	12/13 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 fees. It is understood that payment is expected to be cash with samples unless terms have been previously arranged. Terms are net 30 days; overdue accounts will be charged a dated damage fee of 2% per month (annually 24 %) or \$5.00 per month whichever is greater. If payment is not made when due and a legitimate dispute exists concerning the product or services of Dellavalle Laboratory, Inc., it will be submitted to mediation under the Rules and Procedures of Creative Alternative to Litigation, Inc. (cal). If the dispute is not resolved in mediation, then the dispute will be submitted to binding arbitration through cal under its Rules and Procedures. The parties will equally bear the costs of mediation/arbitration. If, however, the mediator declares that no legitimate dispute exists, then debtor will pay all mediation and arbitration costs, and in the event of arbitration, reasonable attorneys' fees of Dellavalle Laboratory.

**Invoicing Information:****Medeiros Pricing 2023**

Sampling Hrs			Miles	Consulting	Shipping	\$	In
Amt Paid	Rec By	Check No.			Date		

Signature \_\_\_\_\_

Sample received in cooler with ice?

[ ] Yes [ ] No

ctt:update 2020

**DELLAVALLE LABORATORY, INC.**1910 W. McKinley Avenue, Suite 110 • Fresno, CA 93728  
 www.dellavallelab.com 559 233-6120 • 800 228-9896 • Fax 559 268-8174

4

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

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

- EC, NO<sub>3</sub>-N  
 (1) 1 L plastic, unpreserved (white)  
 DWW1: (EC, pH, NO<sub>3</sub>-N, NH<sub>4</sub>-N Field Test)  
 (1) 1 L plastic, unpreserved (white)  
 DWW2: (DWW1 Plus SO<sub>4</sub>, CO<sub>3</sub>, HCO<sub>3</sub>, Cl, Ca, Mg, Na, TDS)  
 (1) 1 L plastic, unpreserved (white)  
 DCW1: (EC, NO<sub>3</sub>-N, TDS)  
 (1) 1 L plastic, unpreserved (white)  
 DPW1: (EC, pH, NO<sub>3</sub>-N, NH<sub>4</sub>-N, TKN, TDS, TP, TK )  
 (1) 1 L plastic, unpreserved (white)  
 DPW2: (DPW1 Plus Ca, Mg, Na, HCO<sub>3</sub>, CO<sub>3</sub>, SO<sub>4</sub>, Cl)  
 (1) 1 L plastic, unpreserved (white)

 Other

Date Sampled	Time Sampled	Field NH4-N (mg/L)	Received Temp °C
12/12/23	9:00	0	15.2 / 0.4
	9:00	0	20.2 / 2.4
	10am	0	14.1 / -0.9
	10:30am	0	18.4 / 1.2

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

IR Thermometer SN: 221511276  
 Correction Factor: 0°C  
 Calibration Due: 03/06/2024  
 Location: Hanford



12/13/23 07:00

23L0737

Shipping Information: Shipped In <input type="checkbox"/> Picked-Up <input type="checkbox"/> Walk In <input type="checkbox"/> DLI Sampler <input type="checkbox"/> Other <input type="checkbox"/>											
<input type="checkbox"/> Samples refrigerated before pick up					<input type="checkbox"/> Picked up samples placed in Ice chest						
Container: Ice Chest <input checked="" type="checkbox"/> Box <input type="checkbox"/> None <input type="checkbox"/>					Refrigerant: Wet Ice <input checked="" type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/>						
Samples Preserved with HNO <sub>3</sub> or H <sub>2</sub> SO <sub>4</sub> were: <input type="checkbox"/> Received Preserved <input type="checkbox"/> Preserved Upon Receipt at Laboratory											
Type of Container(s) Received	1	2	3	4	5	6	7	8	9	10	Sample Number
Sample Containers for Internal (DLI) Use (Containers that go into the Lab)											
Plastics	100 mL sterile plastic Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO <sub>3</sub> (Red) Plastic										
	* pH Value										
	250 mL H <sub>2</sub> SO <sub>4</sub> (Yellow) Plastic										
	* pH Value										
	500 mL unpreserved (White) Plastic										
1 L unpreserved (White) Plastic											
1 L unpreserved (BOD) (Purple) Plastic											
Special	500mL unpreserved (White) Glass										
	PO4-P Kit										
	Other:										
Sample Containers for Subcontracted ("Send Out") Analyses (Containers that go in the Subcontract ("Send Out") Refrigerator)											
Plastics	100 mL sterile plastic Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO <sub>3</sub> (Red) Plastic										
	250 mL H <sub>2</sub> SO <sub>4</sub> (Yellow) Plastic										
	500 mL HNO <sub>3</sub> (Red)										
	1 L unpreserved (White) Plastic										
	1 L unpreserved (BOD) (Purple) Plastic										
VOA Vials	100 mL sterile plastic Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> + MCAA (EPA531)										
	40 mL VOA, Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (EPA547)										
	40mL AG VOA unpreserved (White) (Set of 3)										
	40 mL AG VOA, Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (Green) (Set of 3)										
	40mL VOA, H <sub>3</sub> PO <sub>4</sub> (Set of 3)										
	40 mL VOA, HCl (Blue) (Set of 3)										
	40 mL VOA, Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (Green) (Set of 3)										
Glass	250 mL AG unpreserved (White)										
	250 mL AG H <sub>2</sub> SO <sub>4</sub> (Yellow)										
	250 mL AG Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (Green)										
	250 mL AG Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> + MCAA										
	500 mL glass unpreserved (White)										
	500 mL AG HCl (Blue)										
	1 L AG unpreserved (White)										
Special	1 L AG H <sub>2</sub> SO <sub>4</sub> (Yellow)										
	1 L AG Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (Green)										
	1 L AG HCl (Blue)										
	Cr <sup>6+</sup> - 50mL Plastic w/Borate/HCO <sub>3</sub> /CO <sub>3</sub>										
	Cyanide - 500 mL NaOH										
	Asbestos - 1L P wrapped in foil (Set of 2)										
	Sulfide - 1 L AG or P NaOH + ZnAc										
Chlorite/Bromate - 250 mL AG with EDA											
HAAS - 250mL AG Ammonium Chlorite											
DO KIT											
Other:											
Other:											



J & D Wilson Dairy  
960 N. San Antonio Rd Suite 114  
Los Altos, CA 94022

Account# 00-0025817  
Account Manager: Ben Nydam  
Submitted By: Christina Medeiros

Received: 08/17/2023 8:39  
Reported: 08/21/2023 15:23

### Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23H1607-01	Canal	Ag Water			08/16/2023 15:30

Default Cooler      Temperature on Receipt °C: 1.3  
Containers Intact  
COC/Labels Agree  
Received On Ice

### Notes and Definitions

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

Laboratory Director/Technical Manager

ELAP Certification #1595  
A2LA Certification #6440.02

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



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Account Manager: Ben Nydam  
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Received: 08/17/2023 8:39  
Reported: 08/21/2023 15:23

### Sample Results

**Sample: Canal**  
**23H1607-01 (Water)**

Sampled: 8/16/2023 15:30

Sampled By:

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
<b>Electrical Conductivity</b>	<b>0.02</b>	mmhos/cm	0.01	1		08/18/23 17:58	SM 2510 B		BEH0919
Nitrate Nitrogen as NO <sub>3</sub> N	ND	mg/L	0.1	1	10	08/18/23 13:51	EPA 300.0		BEH0887

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Account# 00-0025817  
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Received: 08/17/2023 8:39  
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## Quality Control

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
<b>Batch: BEH0887</b>									
<b>Blank (BEH0887-BLK1)</b>									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared: 8/17/2023 Analyzed: 8/18/2023				
<b>Blank (BEH0887-BLK2)</b>									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared: 8/17/2023 Analyzed: 8/18/2023				
<b>LCS (BEH0887-BS1)</b>									
Nitrate Nitrogen as NO3N	5.1	0.1	mg/L	5.000		102	90-110		
<b>Duplicate (BEH0887-DUP1)</b>									
Nitrate Nitrogen as NO3N	0.7	0.1	mg/L		0.7			0.151	10
<b>Matrix Spike (BEH0887-MS1)</b>									
Nitrate Nitrogen as NO3N	6.0	0.1	mg/L	5.000	0.7	106	90-110		
<b>Reference (BEH0887-SRM1)</b>									
Nitrate Nitrogen as NO3N	10.2		mg/L	10.00		102	90-110		
<b>Reference (BEH0887-SRM2)</b>									
Nitrate Nitrogen as NO3N	10.2		mg/L	10.00		102	90-110		

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J & D Wilson Dairy  
960 N. San Antonio Rd Suite 114  
Los Altos, CA 94022

Account# 00-0025817  
Account Manager: Ben Nydam  
Submitted By: Christina Medeiros

Received: 08/17/2023 8:39  
Reported: 08/21/2023 15:23

**Quality Control**  
**(Continued)**

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
<b>Batch: BEH0919</b>									
<b>Blank (BEH0919-BLK1)</b>									
Electrical Conductivity	ND		0.01	mmhos/cm	Prepared: 8/17/2023 Analyzed: 8/18/2023				
<b>Blank (BEH0919-BLK2)</b>									
Electrical Conductivity	ND		0.01	mmhos/cm	Prepared: 8/17/2023 Analyzed: 8/18/2023				
<b>Blank (BEH0919-BLK3)</b>									
Electrical Conductivity	ND		0.01	mmhos/cm	Prepared: 8/17/2023 Analyzed: 8/18/2023				
<b>Duplicate (BEH0919-DUP1)</b>									
Electrical Conductivity	0.02		0.01	mmhos/cm	Source: 23H1632-01 Prepared: 8/17/2023 Analyzed: 8/18/2023	0.02		6.30	10
<b>Duplicate (BEH0919-DUP2)</b>									
Electrical Conductivity	0.47		0.01	mmhos/cm	Source: 23H1667-01 Prepared: 8/17/2023 Analyzed: 8/18/2023	0.47		0.466	10
<b>Reference (BEH0919-SRM1)</b>									
Electrical Conductivity	517			umhos/cm	538.0	96.1	90-110		
<b>Reference (BEH0919-SRM3)</b>									
Electrical Conductivity	981			umhos/cm	1000	98.1	90-110		
<b>Reference (BEH0919-SRM4)</b>									
Electrical Conductivity	990			umhos/cm	1000	99.0	90-110		
<b>Reference (BEH0919-SRM5)</b>									
Electrical Conductivity	994			umhos/cm	1000	99.4	90-110		

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08/17/23 08:39

23H1607

PNV

**WATER WORK REQUEST**

Bill To:  Acct No.  Cons.

Purchase Order No. \_\_\_\_\_ Results Needed By \_\_\_\_\_

Client **J&D Wilson Dairy**  
 Address 960 N. San Antonio Rd Suite 114  
 City, State, Zip Los Altos, CA 94022  
 Email [wilsonriverdale@aol.com](mailto:wilsonriverdale@aol.com)

Copy to: [mel\\_tinamedeiros@yahoo.com](mailto:mel_tinamedeiros@yahoo.com)

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

Facility: \_\_\_\_\_

Date sampled \_\_\_\_\_

Sampled by \_\_\_\_\_

QA/QC Document  Copy of Chain  RWQCB

**DESCRIPTION OF SAMPLES**

1. <i>Canal</i>	Sampled From: <span style="background-color: yellow;"> </span>
2.	Sampled From: <span style="background-color: yellow;"> </span>
3.	Sampled From: <span style="background-color: yellow;"> </span>
4.	Sampled From: <span style="background-color: yellow;"> </span>
5.	Sampled From: <span style="background-color: yellow;"> </span>
6.	Sampled From: <span style="background-color: yellow;"> </span>
7.	Sampled From: <span style="background-color: yellow;"> </span>
8.	Sampled From: <span style="background-color: yellow;"> </span>
9.	Sampled From: <span style="background-color: yellow;"> </span>
10.	Sampled From: <span style="background-color: yellow;"> </span>

**CHAIN OF CUSTODY**

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First	<i>CM</i>	<i>Med Enviro</i>		<i>8/16/23 4:35pm</i>
Second	<i>BN M</i>	<i>OLI</i>	<i>8/16/23 4:35pm</i>	<i>8/16/23</i>
Third	<i>MM</i>	<i>OLI</i>	<i>8/17/23 8:39</i>	
Fourth				

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; overdue accounts will be charged a dated damage fee of 2% per month (annually 24 %) or \$5.00 per month whichever is greater.

If payment is not made when due and a legitimate dispute exists concerning the product or services of DellaValle Laboratory, Inc., it will be submitted to mediation under the Rules and Procedures of Creative Alternative to Litigation, Inc. (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 debtor will pay all mediation and arbitration costs, and in the event of arbitration, reasonable attorney fees of DellaValle Laboratory.

**Invoicing Information:****Medeiros Pricing 2023**

Sampling Hrs	Miles	Consulting	<b>Shipping</b>
_____	_____	_____	\$ _____ In \$ _____ Out

Amt Paid	Rec By	Check No.	Date
----------	--------	-----------	------

Signature \_\_\_\_\_

Sample received in cooler with ice?

[ ] Yes [ ] No

ctt:update 2020

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



08/17/23 08:39

23H1607

32

<b>Shipping Information:</b> Shipped In <input type="checkbox"/> Picked-Up <input type="checkbox"/> Walk In <input type="checkbox"/> DLI Sampler <input checked="" type="checkbox"/> Other <input type="checkbox"/> _____										
<input type="checkbox"/> Samples refrigerated before pick up					<input type="checkbox"/> Picked up samples placed in Ice chest					
Container: Ice Chest <input checked="" type="checkbox"/> Box <input type="checkbox"/> None <input type="checkbox"/>					Refrigerant: Wet Ice <input checked="" type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/>					
Samples Preserved with HNO <sub>3</sub> or H <sub>2</sub> SO <sub>4</sub> were: <input type="checkbox"/> Received Preserved <input type="checkbox"/> Preserved Upon Receipt at Laboratory										
Type of Container(s) Received	Sample Number									
	1	2	3	4	5	6	7	8	9	10
<b>Sample Containers for Internal (DLI) Use</b> (Containers that go into the Lab)										
Plastics	100 mL sterile plastic Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (Green)									
	250 mL unpreserved (White) Plastic									
	250 mL HNO <sub>3</sub> (Red) Plastic									
	* pH Value									
	250 mL H <sub>2</sub> SO <sub>4</sub> (Yellow) Plastic									
	* pH Value									
	500 mL unpreserved (White) Plastic									
1 L unpreserved (White) Plastic	I									
1 L unpreserved (BOD) (Purple) Plastic										
Special	500mL unpreserved (White) Glass									
	PO4-P Kit									
	Other:									
<b>Sample Containers for Subcontracted ("Send Out") Analyses</b> (Containers that go in the Subcontract ("Send Out") Refrigerator)										
Plastics	100 mL sterile plastic Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (Green)									
	250 mL unpreserved (White) Plastic									
	250 mL HNO <sub>3</sub> (Red) Plastic									
	250 mL H <sub>2</sub> SO <sub>4</sub> (Yellow) Plastic									
	500 mL HNO <sub>3</sub> (Red)									
	1 L unpreserved (White) Plastic									
	1 L unpreserved (BOD) (Purple) Plastic									
VOA Vials	40 mL VOA, Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> + MCAA (EPA531)									
	40 mL VOA, Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (EPA547)									
	40mL AG VOA unpreserved (White) (Set of 3)									
	40 mL AG VOA, Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (Green) (Set of 3)									
	40mL VOA, H <sub>3</sub> PO <sub>4</sub> (Set of 3)									
	40 mL VOA, HCl (Blue) (Set of 3)									
	40 mL VOA, Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (Green) (Set of 3)									
Glass	250 mL AG unpreserved (White)									
	250 mL AG H <sub>2</sub> SO <sub>4</sub> (Yellow)									
	250 mL AG Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (Green)									
	250 mL AG Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> + MCAA									
	500 mL glass unpreserved (White)									
	500 mL AG HCl (Blue)									
	1 L AG unpreserved (White)									
Special	1 L AG H <sub>2</sub> SO <sub>4</sub> (Yellow)									
	1 L AG Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (Green)									
	1 L AG HCl (Blue)									
	Cr <sup>6+</sup> - 50mL Plastic w/Borate/HCO <sub>3</sub> /CO <sub>3</sub>									
	Cyanide - 500 mL NaOH									
	Asbestos - 1L P wrapped in foil (Set of 2)									
	Sulfide - 1 L AG or P NaOH + ZnAc									
Chlorite/Bromate - 250 mL AG with EDA										
HAA5 - 250mL AG Ammonium Chlorite										
DO KIT										
Other:										