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: RIVAS DAIRY

Physical address of dairy:

Number and Street	City	County	Zip Code
41198 W Valeria AVE	Dos Palos	Fresno	93620

Street and nearest cross street (if no address):

Date facility was originally placed in operation: 01/01/1963

Regional Water Quality Control Board Basin Plan designation: San Joaquin River Basin

County Assessor Parcel Number(s) for dairy facility:

0010-0200-0019-0000

B. OPERATORS

Rivas, Rafael

Operator name: Rivas, Rafael

Telephone no.: (209) 675-1261 Landline, (209) 675-1261 Cellular

Mailing Address Number and Street	City	State	Zip Code
41198 W. Valeria Avenue	Dos Palos	CA	63620

This operator is responsible for paying permit fees.

C. OWNERS

Rivas, Rafael

Legal owner name: Rivas, Rafael

Telephone no.: (209) 675-1261 Landline, (209) 675-1261 Cellular

Mailing Address Number and Street	City	State	Zip Code
41198 W. Valeria Avenue	Dos Palos	CA	63620

This owner is responsible for paying permit fees.

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

AVAILABLE NUTRIENTS

A. HERD INFORMATION

	Milk Cows	Dry Cows	Bred Heifers (15-24 mo.)	Heifers (7-14 mo. to breeding)	Calves (4-6 mo.)	Calves (0-3 mo.)
Number open confinement	200	18	25	20	18	18
Number under roof	0	0	0	0	0	0
Maximum number	205	20	28	26	24	22
Average number	200	18	25	20	18	18
Avg live weight (lbs)	1,400	1,450	1,000	750		

Predominant milk cow breed: Holstein

Average milk production: 68 *pounds per cow per day*

B. MANURE GENERATED

Total manure excreted by the herd: 5,924.87 *tons per reporting period*

Total nitrogen from manure: 75,857.34 *lbs per reporting period*

After ammonia losses (30% loss applied): 53,100.14 *lbs per reporting period*

Total phosphorus from manure: 12,529.11 *lbs per reporting period*

Total potassium from manure: 38,039.05 *lbs per reporting period*

Total salt from manure: 98,309.10 *lbs per reporting period*

C. PROCESS WASTEWATER GENERATED

Process wastewater generated: 4,368,000 *gallons*

Total nitrogen generated: 9,295.80 *lbs*

Total phosphorus generated: 1,883.31 *lbs*

Total potassium generated: 13,661.90 *lbs*

Total salt generated: 79,230.77 *lbs*

	4,368,000	*gallons applied*
+	0	*gallons exported*
-	0	*gallons imported*
=	4,368,000	*gallons generated*

D. FRESH WATER SOURCES

Source Description	Type
CCID Canal	Surface water
D-1	Ground water

E. SUBSURFACE (TILE) DRAINAGE SOURCES

No subsurface (tile) drainage sources entered.

F. NUTRIENT IMPORTS

No dry manure nutrient imports entered.

No process wastewater nutrient imports entered.

No commercial or other nutrient imports entered.

G. NUTRIENT EXPORTS

Date	Material type	Quantity	Reporting basis	Moisture (%)	Density (lbs/cu ft)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
06/10/2023	Corral solids	880.00 *ton*	Dry-weight	29.4		13,000.00	4,350.00	29,900.00		0.00
11/10/2023	Corral solids	1,120.00 *ton*	Dry-weight	33.2		19,100.00	900.00	74,900.00		0.00

No liquid nutrient exports entered.

Material type	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Dry manure	44,732.99	6,751.82	149,226.91	0.00
Process wastewater	0.00	0.00	0.00	0.00
Total exports for all materials	44,732.99	6,751.82	149,226.91	0.00

APPLICATION AREA

A. LIST OF LAND APPLICATION AREAS

Field name	Controlled acres	Cropable acres	Total harvests	Type of waste applied	Parcel number
D-1	19	19	2	process wastewater	0010-0200-0019-0000
Totals for areas that were used for application	19	19	2		
Totals for areas that were not used for application					
Land application area totals	19	19	2		

B. CROPS AND HARVESTS

D-1

Field name: D-1

11/09/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 19 Plant date: 11/09/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
04/23/2023	271.00 *ton*	Dry-weight		67.6	21,300.00	3,100.00	31,400.00		12.60

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	216.00	30.60	149.40	1,080.00
Total actual harvest content	14.26	196.87	28.65	290.22	1,164.56

06/07/2023: Corn, silage

Crop: Corn, silage Acres planted: 19 Plant date: 06/07/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/25/2023	498.00 *ton*	Dry-weight		71.6	11,600.00	2,690.00	18,500.00		5.50

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	252.00	42.00	184.80	1,120.00
Total actual harvest content	26.21	172.70	40.05	275.42	818.82

NUTRIENT BUDGET

A. LAND APPLICATIONS

D-1 - 11/09/2022: Wheat, silage, soft dough

Field name: D-1

Crop: Wheat, silage, soft dough — Plant date: 11/09/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
12/05/2022	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Blended Lg and Fresh Water Application	Process wastewater	60.04	14.00	77.08	421.64	384,000.00 *gal*
Application event totals		60.04	14.00	77.08	421.64	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
01/10/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Blended Lg and Fresh Water Application	Process wastewater	81.29	7.69	74.71	684.75	384,000.00 *gal*
Application event totals		81.29	7.69	74.71	684.75	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
02/26/2023	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
Blended Lg and Fresh Water Application	Process wastewater	60.97	5.77	56.04	513.56	288,000.00 *gal*
Application event totals		60.97	5.77	56.04	513.56	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
04/01/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Blended Lg and Fresh Water Application	Process wastewater	62.40	15.48	110.98	445.25	768,000.00 *gal*
Application event totals		62.40	15.48	110.98	445.25	

D-1 - 06/07/2023: Corn, silage

Field name: D-1

Crop: Corn, silage — Plant date: 06/07/2023

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

D-1 - 06/07/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/22/2023	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
Lagoon Water Application	Process wastewater	54.60	13.55	97.10	389.60	672,000.00 *gal*
CCID Canal	Surface water	0.51	0.00	0.00	169.75	2,112,000.00 *gal*
Application event totals		55.11	13.55	97.10	559.35	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/01/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
CCID Canal	Surface water	0.56	0.00	0.00	185.19	2,304,000.00 *gal*
Application event totals		0.56	0.00	0.00	185.19	

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
CCID Canal	Surface water	0.56	0.00	0.00	185.19	2,304,000.00 *gal*
Application event totals		0.56	0.00	0.00	185.19	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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
Lagoon Water Application	Process wastewater	81.90	20.32	145.66	584.40	1,008,000.00 *gal*
CCID Canal	Surface water	0.44	0.00	0.00	146.60	1,824,000.00 *gal*
Application event totals		82.34	20.32	145.66	731.00	

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

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon Water Application	Process wastewater	88.04	22.31	157.48	1,130.84	864,000.00 *gal*
CCID Canal	Surface water	0.37	0.00	0.00	123.46	1,536,000.00 *gal*
Application event totals		88.41	22.31	157.48	1,254.30	

D-1 - 06/07/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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
CCID Canal	Surface water	0.56	0.00	0.00	185.19	2,304,000.00 *gal*
Application event totals		0.56	0.00	0.00	185.19	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
09/03/2023	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
CCID Canal	Surface water	0.53	0.00	0.00	177.47	2,208,000.00 *gal*
Application event totals		0.53	0.00	0.00	177.47	

B. NUTRIENT BUDGET

D-1 - 11/09/2022: Wheat, silage, soft dough

Field name: D-1 Crop: Wheat, silage, soft dough Plant date: 11/09/2022

	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	264.71	42.94	318.80	2,065.20
Fresh water	0.00	0.00	0.00	0.00
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	271.71	42.94	318.80	2,065.20
Anticipated crop nutrient removal	216.00	30.60	149.40	1,080.00
Actual crop nutrient removal	196.87	28.65	290.22	1,164.56
Nutrient balance	74.84	14.29	28.59	900.64
Applied to removed ratio	1.38	1.50	1.10	1.77

Fresh water applied	
0.00	*gallons*
0.00	*acre-inches*
0.00	*inches/acre*

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

Total harvests for the crop	
1	*harvests*

D-1 - 06/07/2023: Corn, silage

Field name: D-1 Crop: Corn, silage Plant date: 06/07/2023

	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	224.55	56.18	400.24	2,104.84
Fresh water	3.52	0.00	0.00	1,172.84
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	235.07	56.18	400.24	3,277.68
Anticipated crop nutrient removal	252.00	42.00	184.80	1,120.00
Actual crop nutrient removal	172.70	40.05	275.42	818.82
Nutrient balance	62.37	16.13	124.82	2,458.86
Applied to removed ratio	1.36	1.40	1.45	4.00

Fresh water applied	
14,592,000.00	*gallons*
537.37	*acre-inches*
28.28	*inches/acre*

Process wastewater applied	
2,544,000.00	*gallons*
93.69	*acre-inches*
4.93	*inches/acre*

Total harvests for the crop	
1	*harvests*

NUTRIENT ANALYSES

A. MANURE ANALYSES

Corral solids

Sample and source description: Corral solids

Sample date: 09/15/2022 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 7.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	21,500.00	6,470.00	20,400.00							32.10
DL	1,000.00	1,000.00	1,000.00							0.10

Corral solids

Sample and source description: Corral solids

Sample date: 06/08/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 29.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	13,000.00	4,350.00	29,900.00							0.00
DL	1,000.00	1,000.00	1,000.00							0.10

Corral solids

Sample and source description: Corral solids

Sample date: 11/07/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 33.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	19,100.00	900.00	74,900.00							0.00
DL	1,000.00	900.00	1,000.00							0.10

B. PROCESS WASTEWATER ANALYSES

LG-3-4, 2022

Sample and source description: LG-3-4, 2022

Sample date: 11/10/2022 Material type: Process wastewater Source of analysis: Lab analysis pH:

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	356.00	204.00	0.00	0.00	83.00	457.00								3,670.00	2,500
DL	0.50	0.50	0.50	0.50	0.50	2.00								1.00	10

LG-3-1

Sample and source description: LG-3-1

Sample date: 03/16/2023 Material type: Process wastewater Source of analysis: Lab analysis pH:

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	482.00	283.00	0.00	0.00	45.60	443.00								5,690.00	4,060
DL	0.50	0.50	0.50	0.50	0.50	2.00								1.00	10

LG-3-2

Sample and source description: LG-3-2

Sample date: 06/08/2023 Material type: Process wastewater Source of analysis: Lab analysis pH:

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	185.00	129.00	0.00	0.00	45.90	329.00								2,780.00	1,320
DL	0.50	0.50	0.50	0.50	0.50	2.00								1,000.00	10

LG-1-3

Sample and source description: LG-1-3

Sample date: 08/17/2023 Material type: Process wastewater Source of analysis: Lab analysis pH:

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	232.00	160.00	0.00	0.00	58.80	415.00								4,680.00	2,980
DL	0.50	0.50	0.50	0.50	0.50	2.00								1,000.00	10

LG-3-4

Sample and source description: LG-3-4

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

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	288.00	218.00	0.00	0.00	94.00	494.00								4,380.00	2,400
DL	0.50	0.50	0.50	0.50	0.50	2.00								1.00	10

C. FRESH WATER ANALYSES

CCID Canal

Canal Water

Sample description: Canal Water

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

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	0.55	0.00	0.55								286.00	183
DL	0.50	0.50	0.50								1.00	10

D-1

Domestic Well #1

Sample description: Domestic Well #1

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

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	0.00	0.00	0.00								1,450.00	927
DL	0.50	0.50	0.50								1.00	10

D. SOIL ANALYSES

No soil analyses entered.

E. PLANT TISSUE ANALYSES

D-1 - 11/09/2022: Wheat, silage, soft dough

Winter Forage

Sample and source description: Winter Forage

Sample date: 04/23/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 67.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	21,300.00	3,100.00	31,400.00		12.60
DL	1,000.00	1,000.00	1,000.00		0.10

D-1 - 06/07/2023: Corn, silage

Corn silages

Sample and source description: Corn silages

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

Moisture: 71.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	11,600.00	2,690.00	18,500.00		5.50
DL	1,000.00	1,000.00	1,000.00		0.10

F. SUBSURFACE (TILE) DRAINAGE ANALYSES

No subsurface (tile) drainage analyses entered.

NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE

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

	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	9,295.80	1,883.31	13,661.90	79,230.77
Fresh water	66.97	0.00	0.00	22,283.95
Atmospheric deposition	266.00	0.00	0.00	0.00
Total nutrients applied	9,628.77	1,883.31	13,661.90	101,514.72
Anticipated crop nutrient removal	8,892.00	1,379.40	6,349.80	41,800.00
Actual crop nutrient removal	7,021.67	1,305.29	10,747.08	37,684.13
Nutrient balance	2,607.10	578.02	2,914.82	63,830.59
Applied to removed ratio	1.37	1.44	1.27	2.69

B. POUNDS OF NUTRIENT APPLIED VS. CROP REMOVAL

C. POUNDS OF NUTRIENT APPLIED BY MATERIAL TYPE

EXCEPTION REPORTING

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

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

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

B. STORM WATER DISCHARGES

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

No stormwater discharges occurred during the reporting period.

C. LAND APPLICATION AREA TO SURFACE WATER DISCHARGES

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

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

NUTRIENT MANAGEMENT PLAN AND EXPORT AGREEMENT STATEMENTS

A. NUTRIENT MANAGEMENT PLAN STATEMENTS

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

B. EXPORT AGREEMENT STATEMENT

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

ADDITIONAL NOTES

A. NOTES

No notes entered for this annual report.

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.

Rafael Rivas (Jun 27, 2024 20:29 PDT)

SIGNATURE OF OWNER OF FACILITY	SIGNATURE OF OPERATOR OF FACILITY
Rafael Rivas	SAME AS OWNER
PRINT OR TYPE NAME	PRINT OR TYPE NAME
Jun 27, 2024	
DATE	DATE

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.

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: Rafael Rivas

Name of Dairy Facility: RIVAS DAIRY

Facility Address:

Number and Street	City	County	Zip Code
41198 W Valeria AVE	Dos Palos	Fresno	93620

Contact Person Name and Phone Number:

Name	Phone Number
Rafael Rivas	(209) 675-1261

MANURE HAULER INFORMATION

Name of Hauling Company/Person: Frank Codedrniz Farming

Address of Hauling Company/Person:

Number and Street	City	State	Zip Code
40396 W. Valeria Avenue	Dos Palos	CA	93620

Contact Person:

Name	Phone Number
Frank Coderniz	(209) 675-1261

DESTINATION INFORMATION

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

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

Name	Phone Number
Frank Coderniz	(209) 675-1261

Address	City	State	Zip Code
40396 W. Valeria Avenue	Dos Palos	CA	93620

Destination Address or Assessor's Parcel Number:

Address	City	Zip Code
	Dos Palos	93620

Street and nearest cross street (if no address)	County
W. Valeria and Jerrold Avenues	Fresno

Assessor's Parcel Number	Assessor's Parcel Number County

Last date hauled: 06/10/2023

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: 880.00 tons

Manure Solids Content: 70.6 %

Method used to determine amount of manure:

An average a scale weighed trucks multiplied by the total number of trucks hauled.

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.

Rafael Rivas (Jun 27, 2024 20:29 PDT)
Operator Signature

Jun 27, 2024
Date

Frank Coderniz
Hauler Signature

06-24-2024
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: Rafael Rivas

Name of Dairy Facility: RIVAS DAIRY

Facility Address:

Number and Street	City	County	Zip Code
41198 W Valeria AVE	Dos Palos	Fresno	93620

Contact Person Name and Phone Number:

Name	Phone Number
Rafael Rivas	(209) 675-1261

MANURE HAULER INFORMATION

Name of Hauling Company/Person: Frank Codedrniz Farming

Address of Hauling Company/Person:

Number and Street	City	State	Zip Code
40396 W. Valeria Avenue	Dos Palos	CA	93620

Contact Person:

Name	Phone Number
Frank Coderniz	(209) 675-1261

DESTINATION INFORMATION

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

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

Name	Phone Number
Frank Coderniz	(209) 675-1261

Address	City	State	Zip Code
40396 W. Valeria Avenue	Dos Palos	CA	93620

Destination Address or Assessor's Parcel Number:

Address	City	Zip Code
	Dos Palos	93620

Street and nearest cross street (if no address)	County
W. Valeria and Jerrold Avenues	Fresno

Assessor's Parcel Number	Assessor's Parcel Number County

Last date hauled: 11/10/2023

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: 1,120.00 tons

Manure Solids Content: 66.8 %

Method used to determine amount of manure:

An average a scale weighed trucks multiplied by the total number of trucks hauled.

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.

Rafael Rivas
Rafael Rivas (Jun 27, 2024 20:29 PDT)
Operator Signature

Jun 27, 2024
Date

Frank Coderniz
Hauler Signature

06-24-2024
Date

Denele Analytical, Inc.

865 South Kilroy Avenue Turlock, CA 95380
Phone (209) 634-9055 - Fax (209) 634-9057

40 N. East Street, Woodland, CA 95776
Phone (530) 666-9056 - Fax (530) 666-9058

www.denelelabs.com

Compliance Analysis Report

Customer
Rivas Dairy
41198 W. Valeria Ave.
Dos Palos , CA 93620

Grower

Consultant:
Heartland Consulting
P.O. Box 3679
Merced, CA 95344

PURCHASE ORDER:
RECEIVED DATE: 8/17/23 2:40 PM
SUBMITTED BY: Dan
ANALYZED DATE: 8/18/23

Irrigation/ Ground Water (H1)
SOURCE: Canal Water

NOTES: Temperature was above qualifying at 16.0c

Sample ID	Lab ID	Analyte	Method Ref	Result	Units
Canal	T3229021B	Electrical Conductivity (EC)	EPA 120.1 and	0.286	mmhos/cm
		Nitrate Nitrogen (NO3-N)	EPA 353.2	0.546	mg/L
		Ammonia Nitrogen (NH3-N)	SM 4500-NH3 D,C	< 0.500	mg/L
		Soluble Salts (SALT-SOL)	Calculation	183	mg/L

Laboratory Quality Control	LCS %	MS %	MSD %	RPD %
Ammonia Nitrogen (NH3-N)	98.6	94.0 (T3229020B)	92.8 (T3229020B)	1.28
Electrical Conductivity (EC)	100			0.032
Nitrate Nitrogen (NO3-N)	110	93.9 (T3229020B)	92.7 (T3229020B)	1.29

The warranty of Denele Analytical is limited to the accuracy of the analyses of the samples as received. Denele Analytical assumes no responsibility for which the customer uses our test results, nor liability for any other warranties, express or implied. These terms and conditions shall supercede any conflicting terms and conditions submitted on customer purchase orders or other forms submitted for work.

ELAP Certificate No.: 2714

Denele Analytical, Inc.

865 South Kilroy Avenue Turlock, CA 95380
Phone (209) 634-9055 - Fax (209) 634-9057

40 N. East Street, Woodland, CA 95776
Phone (530) 666-9056 - Fax (530) 666-9058

www.denelelabs.com

Compliance Analysis Report

Customer
Rivas Dairy
41198 W. Valeria Ave.
Dos Palos , CA 93620

Grower

Consultant:
Heartland Consulting
P.O. Box 3679
Merced, CA 95344

PURCHASE ORDER:
RECEIVED DATE: 8/17/23 2:40 PM
SUBMITTED BY: Dan
ANALYZED DATE: 8/18/23

Irrigation/ Ground Water (H1)
SOURCE: Well Water

NOTES: Temperature was above qualifying at 16.4c

Sample ID	Lab ID	Analyte	Method Ref	Result	Units
D-1	T3229021C	Electrical Conductivity (EC)	EPA 120.1 and	1.45	mmhos/cm
		Nitrate Nitrogen (NO3-N)	EPA 353.2	< 0.140	mg/L
		Ammonia Nitrogen (NH3-N)	SM 4500-NH3 D,C	< 0.500	mg/L
		Soluble Salts (SALT-SOL)	Calculation	927	mg/L

Laboratory Quality Control	LCS %	MS %	MSD %	RPD %
Ammonia Nitrogen (NH3-N)	98.6	94.0 (T3229020B)	92.8 (T3229020B)	1.28
Electrical Conductivity (EC)	100			0.032
Nitrate Nitrogen (NO3-N)	110	93.9 (T3229020B)	92.7 (T3229020B)	1.29

The warranty of Denele Analytical is limited to the accuracy of the analyses of the samples as received. Denele Analytical assumes no responsibility for which the customer uses our test results, nor liability for any other warranties, express or implied. These terms and conditions shall supercede any conflicting terms and conditions submitted on customer purchase orders or other forms submitted for work.

DENELE ANALYTICAL, INC.

865 S. KILROY
TURLOCK, CA 95380
PH# 209-634-9055 FAX# 209-634-9057

DAIRY COMPLIANCE

Authorized Copy Released To:
hlcdan@yahoo.com

Client: RIVAS DAIRY
Mailing address: 41194 W. Valeria Ave., Dos Palos CA 93620
(not facility address)
Phone#: 209-675-1261

Sampled By: Daniel Roos
Project ID:

ANALYSIS TO BE COMPLETED:

IRRIGATION/GROUND WATER
H1 EC*, NO3-N, NH4-N*
H6 EC, TN, TDS
H7 Combination of H1 & H6
H14 EC, NO3-N, NH4-N, Ca, Mg, Na, Bicarb Carb, SO4, Cl, TDS

PROCESS WASTE WATER
H3 EC*, NH4-N, TKN, TP, K, TDS
H4 EC*, NO3-N, NH4-N, TKN, TP, K, TDS
H5 Ca, Mg, Na, Bicarb, Carb, SO4, Cl
H8 Combination of H3 &H5
H9 Combination of H4 &H5

TILE DRAIN
H2 EC*, NO3-N, TP, NH4-N*, TDS

** Required Field Measurement*

___ (Check here if performed)

DISCHARGE WATER
E1 EC*, Temp*, pH*, NO3-N, NH4-N, TKN, TP, K, TDS, Dissolved Oxygen*, BOD 5, TSS, Total & Fecal Coliforms
E2 EC,* Temp*, pH*, NO3-N, NH4-N*, Turbidity, TP, Dissolved Oxygen*, Total & Fecal Coliforms
E3 EC*, Temp*, pH*, NO3-N, NH4-N*, TP, Total & Fecal Coliforms
E4 EC*, Temp*, pH*, NO3-N, NH4-N*, Turbidity, TP, Total & Fecal Coliform

MANURE
M1 % Moisture
M3 TN TP, K, % Moisture
M4 Ca, Mg, Na, Bicarb, Carb, SO4, Cl, Ash
M7 Combination of M3 & M4

PLANT TISSUE
F18 % Moisture, Ash, TN, P, K, DM and as received
F18+ % Moisture, Ash, TN, P, K, DM and as received (Package also includes NIR DCAD)
F19+ % Moisture, TN (Package includes complete plant tissue analysis)

SOIL
K3 Soluble Phosphorus
K4 1ft NO3, Organic Matter
K5 Pre-Plant (2ft NO3), Fall (1-2ft NO3), Fall (2-3ft NO3)
K6 0-1ft EC, NO3, Soluble P, K, Organic Matter
K7 Combination of K3 & K4
K8 Combination of K3 & K5

	Date Collected	Time Collected	Sample ID	Description	Temp	Well Purge	H1	H3	M3	F18	OTHER
1	8-17-23	800	LG-1-3		14.8			X			
2	↓	805	CANAL		16.0		X				
3	8-17-23	810	D-1		16.4		X				
4											
5											
6											
7											
8											
9											
10											

Analysis

CHAIN OF CUSTODY RECORDING

	Signature	Company	Received Date & Time	Relinquished Date & Time
1st	[signature]	HeartLand Consulting		8-17-23 1440
2nd	[signature]	DENELE ANALYTICAL, INC.	8/17/23 1440	

(LABORATORY USE ONLY)
Logged In By:
LABORATORY NUMBER: T322 9021

Required to be submitted to any agency? (YES / NO)

2023 AR RIVAS DAIRY

Final Audit Report 2024-06-28

Created:	2024-06-24
By:	Daniel Roos (hlcdan@yahoo.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAA_eT5Q9pgRfVJVBclc3Qj0gp36YK1qN17

"2023 AR RIVAS DAIRY" History

Document created by Daniel Roos (hlcdan@yahoo.com)
2024-06-24 - 11:42:49 PM GMT- IP address: 52.53.199.205

Document emailed to drivas78@ymail.com for signature
2024-06-24 - 11:44:23 PM GMT

Email viewed by drivas78@ymail.com
2024-06-24 - 11:54:34 PM GMT- IP address: 69.147.90.10

Signer drivas78@ymail.com entered name at signing as Rafael Rivas
2024-06-28 - 3:29:05 AM GMT- IP address: 67.181.253.131

Document e-signed by Rafael Rivas (drivas78@ymail.com)
Signature Date: 2024-06-28 - 3:29:07 AM GMT - Time Source: server- IP address: 67.181.253.131

Agreement completed.
2024-06-28 - 3:29:07 AM GMT