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: Frank C. Lawrence Dairy

Physical address of dairy:

27476 Road 52	Visalia	Tulare	93277
Number and Street	City	County	Zip Code

Street and nearest cross street (if no address):

Date facility was originally placed in operation: 01/01/1926

Regional Water Quality Control Board Basin Plan designation: Tulare Basin

County Assessor Parcel Number(s) for dairy facility:

X118-0010-X021-0000

B. OPERATORS

Lawrence, Steve

Operator name: Lawrence, Steve Telephone no.: (559) 280-1911 (Landline) (Cellular)

28476 Road 52	Visaila	CA	93277
Mailing Address Number and Street	City	State	Zip Code

This operator is responsible for paying permit fees.

C. OWNERS

Lawrence, Steve

Legal owner name: Lawrence, Steve Telephone no.: (559) 280-1911 (Landline) (Cellular)

28476 Road 52	Visaila	CA	93277
Mailing Address Number and Street	City	State	Zip Code

This owner is responsible for paying permit fees.

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	75	547	422	126	117
Number under roof	751	0	0	0	0	0
Maximum number	764	82	561	439	131	124
Average number	751	75	547	422	126	117
Avg live weight (lbs)	1,400	1,500	1,100	700		

Predominant milk cow breed: Holstein

Average milk production: 70 *pounds per cow per day*

B. MANURE GENERATED

Total manure excreted by the herd: 31,111.03 *tons per reporting period*

Total nitrogen from manure: 369,933.35 *lbs per reporting period* After ammonia losses (30% loss applied): 258,953.35 *lbs per reporting period*

Total phosphorus from manure: 60,887.12 *lbs per reporting period*

Total potassium from manure: 143,823.43 *lbs per reporting period*

Total salt from manure: 370,854.60 *lbs per reporting period*

C. PROCESS WASTEWATER GENERATED

Process wastewater generated: _____ *gallons*

Total nitrogen generated: _____ *lbs*

Total phosphorus generated: _____ *lbs*

Total potassium generated: _____ *lbs*

Total salt generated: _____ *lbs*

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

D. FRESH WATER SOURCES

No fresh water sources entered.

E. SUBSURFACE (TILE) DRAINAGE SOURCES

No subsurface (tile) drainage sources entered.

F. NUTRIENT IMPORTS

No dry manure nutrient imports entered.

No process wastewater nutrient imports entered.

No commercial or other nutrient imports entered.

G. NUTRIENT EXPORTS

No solid nutrient exports entered.

No liquid nutrient exports entered.

APPLICATION AREA

A. LIST OF LAND APPLICATION AREAS

No land application areas entered.

Totals for areas that were used for application					
Totals for areas that were not used for application					
Land application area totals					

B. CROPS AND HARVESTS

No application area fields entered.

NUTRIENT BUDGET

A. LAND APPLICATIONS

No application area crops entered.

B. NUTRIENT BUDGET

No application area crops entered.

NUTRIENT ANALYSES

A. MANURE ANALYSES

Corral Manure

Sample and source description: Corral Manure

Sample date: 05/10/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 16.8 %

	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	17,151.00	2,141.00	21,212.00							0.00
DL	500.00	100.00	200.00							0.67

Feedlot Manure

Sample and source description: Feedlot Manure

Sample date: 05/10/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 8.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	16,534.00	2,057.00	20,090.00							0.00
DL	500.00	100.00	200.00							0.67

Corral Manure

Sample and source description: Corral Manure

Sample date: 09/11/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 5.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	18,315.00	3,550.00	19,817.00							0.00
DL	500.00	100.00	200.00							0.67

Feedlot Manure

Sample and source description: Feedlot Manure

Sample date: 09/11/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 9.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	16,494.00	2,527.00	19,880.00							0.00
DL	500.00	100.00	200.00							0.67

B. PROCESS WASTEWATER ANALYSES

Pond 2 Middle

Sample and source description: Pond 2 Middle

Sample date: 02/06/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.64

	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	401.00	63.90	0.00	0.41	20.90	145.00								1,883.00	1,205
DL	76.00	2.60	2.60	0.01	0.62	4.30								10.00	19

Pond 2 Middle

Sample and source description: Pond 2 Middle

Sample date: 05/10/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.45

	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	400.00	109.00	0.00	0.26	35.60	188.00								2,131.00	1,363
DL	76.00	2.60	2.60	0.01	0.62	4.30								10.00	19

Pond 2 Middle

Sample and source description: Pond 2 Middle

Sample date: 09/11/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.35

	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	389.00	106.90	0.00	0.52	20.30	144.00								2,036.00	1,303
DL	76.00	2.60	2.60	0.01	0.62	4.30								10.00	19

Pond 2 Middle

Sample and source description: Pond 2 Middle

Sample date: 11/21/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.60

	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	330.00	86.20	0.00	0.46	18.20	144.00								1,819.00	1,164
DL	76.00	2.60	2.60	0.01	0.62	4.30								10.00	19

C. FRESH WATER ANALYSES

No irrigation water analyses entered.

D. SOIL ANALYSES

No soil analyses entered.

E. PLANT TISSUE ANALYSES

No plant tissue analyses entered.

F. SUBSURFACE (TILE) DRAINAGE ANALYSES

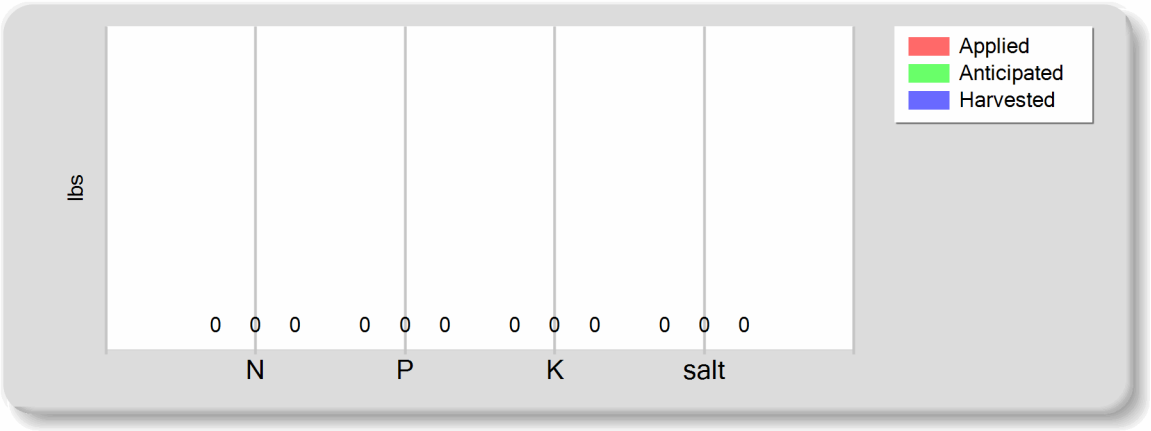
No subsurface (tile) drainage analyses entered.

NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE

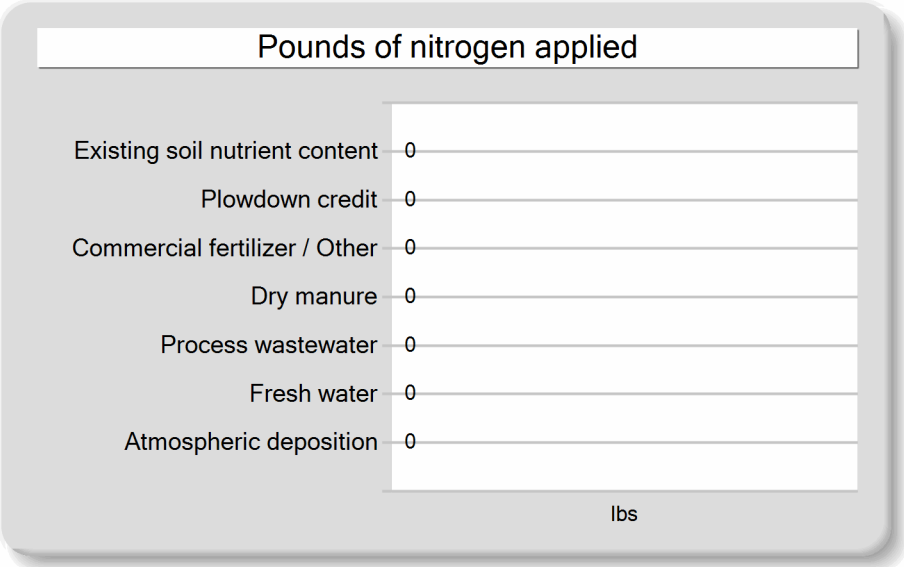
A. SUMMARY OF NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE

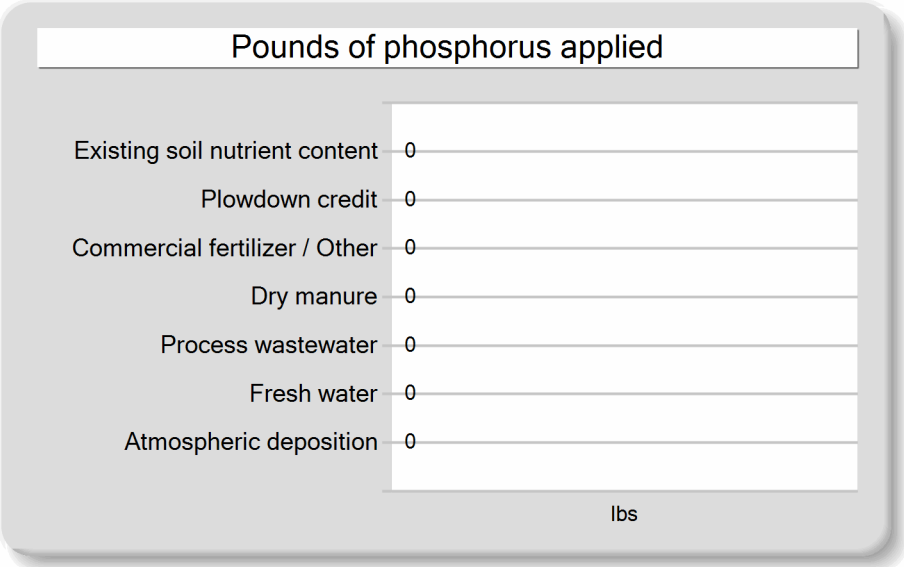
	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	0.00
Atmospheric deposition	0.00	0.00	0.00	0.00
Total nutrients applied	0.00	0.00	0.00	0.00
Anticipated crop nutrient removal	0.00	0.00	0.00	0.00
Actual crop nutrient removal	0.00	0.00	0.00	0.00
Nutrient balance	0.00	0.00	0.00	0.00
Applied to removed ratio	0.00	0.00	0.00	0.00

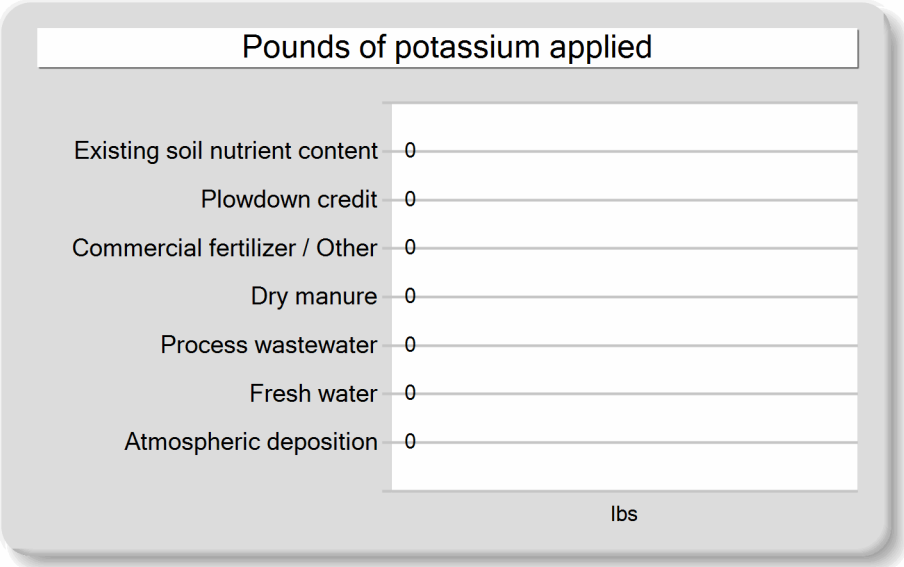
B. POUNDS OF NUTRIENT APPLIED VS. CROP REMOVAL

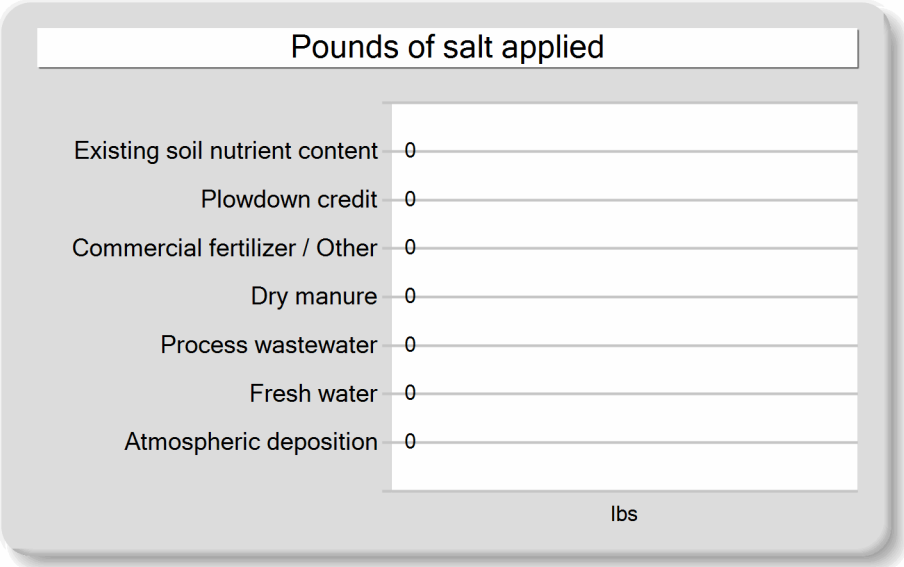


C. POUNDS OF NUTRIENT APPLIED BY MATERIAL TYPE









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?	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

ADDITIONAL NOTES

A. NOTES

All dry manure and wastewater is exported to LK Ranches Dairy. The Frank Lawrence Dairy has no application land. Thus does not apply manure, wastewater or grown crops. Refer to the 2023 Annual Report for LK Ranches Dairy for more information.

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	SIGNATURE OF OPERATOR OF FACILITY
Steve Lawrence	SAME AS OWNER
PRINT OR TYPE NAME	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

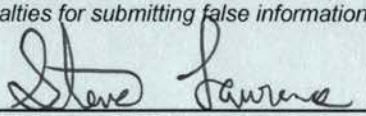
Dischargers that are required to monitor storm water more frequently than required in the General Order must submit monitoring results as directed in the General Order, Storm Water Reporting Section on page MRP-14.

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	SIGNATURE OF OPERATOR OF FACILITY
Steve Lawrence	SAME AS OWNER
PRINT OR TYPE NAME	PRINT OR TYPE NAME
6/29/24	
DATE	DATE

2022-2023 Export Summary Record of Dry Manure and Process Wastewater Transfered from Frank Lawrence Dairy to LK Ranches Dairy

Transfer of dry manure solids from Frank Lawrence Dairy to LK Ranches Dairy

lb/ton

Start Date	LK Ranches Field	APN No.	Acres	Volume Exported (tons)	N	P	K	N (lbs)	P (lbs)	K (lbs)	Sample Date	Sample ID
11/9/2022	31	X073-0012-X018-0000	76	380	33.6	14.2	44.8	12,768	5,396	17,024	8/24/2021	Feedlot Manure (FL)
11/11/2022	22	X016-0100-X024-0000	32	160	33.6	14.2	44.8	5,376	2,272	7,168	8/24/2021	Feedlot Manure (FL)
11/9/2022	35	X073-0120-X030-0000	38	190	38.9	17	49	7,391	3,230	9,310	8/24/2021	Corral Manure (FL)
11/12/2022	18	X118-0010-X021-0000	25	130	38.9	17	49	5,057	2,210	6,370	8/24/2021	Corral Manure (FL)
11/11/2022	20	X016-0230-X002-0000	28	140	33.6	14.2	44.8	4,704	1,988	6,272	8/24/2021	Feedlot Manure (FL)
11/12/2022	17	X118-0010-X028-0000	74	370	38.9	17	49	14,393	6,290	18,130	5/10/2022	Corral Manure (FL)
11/10/2022	34	X118-0060-X019-0000	100	500	33.6	14.2	44.8	16,800	7,100	22,400	5/10/2022	Feedlot Manure (FL)
12/22/2022	27	X118-0020-X028-0000	118	940	38.9	17	49	36,566	15,980	46,060	5/10/2022	Corral Manure (FL)
4/13/2023	2	X073-0120-X033-0000	75	600	34.3	15.62	44.9	20,580	9,372	26,940	5/10/2022	Corral Manure (FL)
4/16/2023	15	X118-0010-X027-0000	97	490	34.3	15.62	44.9	16,807	7,654	22,001	5/10/2022	Corral Manure (FL)
4/16/2023	1	X118-0020-X021-0000	112	900	34.3	15.62	44.9	30,870	14,058	40,410	5/10/2022	Corral Manure (FL)
4/15/2023	33	X118-0060-X002-0000	50	400	34.3	15.62	44.9	13,720	6,248	17,960	8/24/2021	Corral Manure (FL)
4/17/2023	8	X073-0120-X034-0000	78	620	34.3	15.62	44.9	21,266	9,684	27,838	8/24/2021	Corral Manure (FL)
4/17/2023	9	X073-0120-X034-0000	76	380	32.1	13.9	42.4	12,198	5,282	16,112	8/24/2021	Feedlot Manure (FL)
4/17/2023	30	X073-0120-X036-0000	35	180	34.3	15.62	44.9	6,174	2,812	8,082	8/24/2021	Corral Manure (FL)
4/21/2023	28	X073-0012-X027-0000	74	370	34.3	15.62	44.9	12,691	5,779	16,613	5/10/2022	Corral Manure (FL)
4/21/2022	23	X016-0100-X027-0000	38	190	32.1	13.9	42.4	6,099	2,641	8,056	5/10/2022	Feedlot Manure (FL)
4/22/2023	10	X073-0120-X034-0000	75	380	34.3	15.62	44.9	13,034	5,936	17,062	5/10/2022	Corral Manure (FL)
			Annual Total	**7,320**	**629**	**278**	**819**	**256,494**	**113,932**	**333,808**		

Transfer of wastewater from Frank Lawrence Dairy to LK Ranches Dairy

lbs/1000 gal

Date	LK Ranches Field	APN No.	Acres	Volume Exported (gal)	N	P	K	N (lbs)	P (lbs)	K (lbs)	Sample Date	Sample ID
10/4/2022	20	X016-0230-X002-0000	28	576,000	4.10	0.91	3.83	2361.60	524.16	2206.08	12/6/2022	Pond 2 Middle
10/20/2022	17	X118-0010-X028-0000	74	558,000	4.10	0.91	3.83	2287.80	507.78	2137.14	12/6/2022	Pond 2 Middle
1/7/2023	5	X073-0012-X010-0000	83	765,000	3.35	1.09	7.21	2560.71	832.46	5516.17	2/6/2023	Pond 2 Middle
1/31/2023	28	X073-0012-X027-0000	74	918,000	3.35	1.09	7.21	3072.85	998.95	6619.41	2/6/2023	Pond 2 Middle
2/9/2023	9	X073-0120-X034-0000	76	1,314,000	3.35	1.09	7.21	4398.39	1429.88	9474.84	2/6/2023	Pond 2 Middle
2/9/2023	30	X073-0120-X036-0000	35	882,000	3.35	1.09	7.21	2952.34	959.78	6359.82	2/6/2023	Pond 2 Middle
2/17/2023	15	X118-0010-X027-0000	97	1,278,000	3.35	1.09	7.21	4277.88	1390.70	9215.25	2/6/2023	Pond 2 Middle
3/3/2023	31	X073-0012-X018-0000	76	1,278,000	3.35	1.09	7.21	4277.88	1390.70	9215.25	2/6/2023	Pond 2 Middle
4/1/2023	20	X016-0230-X002-0000	28	900,000	3.34	1.03	6.95	3005.08	925.86	6254.70	5/10/2023	Pond 2 Middle
4/24/2023	17	X118-0010-X028-0000	74	1,278,000	3.34	1.03	6.95	4267.22	1314.72	8881.67	5/10/2023	Pond 2 Middle
4/27/2023	18	0-X020-0000 X118-0010-X	25	576,000	3.34	1.03	6.95	1923.25	592.55	4003.01	5/10/2023	Pond 2 Middle
5/15/2023	12	0-X025-0000 X118-0010-X	63	972,000	3.34	1.03	6.95	3245.49	999.93	6755.07	5/10/2023	Pond 2 Middle
6/12/2023	15	X118-0010-X027-0000	97	1,422,000	3.34	1.03	6.95	4748.03	1462.86	9882.42	5/10/2023	Pond 2 Middle
7/17/2023	28	X073-0012-X027-0000	74	1,440,000	3.25	0.80	6.39	4675.91	1157.56	9208.79	9/11/2023	Pond 2 Middle
8/1/2023	15	X118-0010-X027-0000	97	1,440,000	3.25	0.80	6.39	4675.91	1157.56	9208.79	9/11/2023	Pond 2 Middle
8/14/2023	14	X118-0010-X027-0000	72	1,008,000	3.25	0.80	6.39	3273.14	810.29	6446.16	9/11/2023	Pond 2 Middle
10/17/2023	12	0-X025-0000 X118-0010-X	63	1,332,000	2.75	0.76	6.23	3669.21	1008.77	8300.84	11/21/2023	Pond 2 Middle
10/20/2023	13	X118-0010-X026-0000	112	975,000	2.75	0.76	6.23	2685.79	738.40	6076.06	11/21/2023	Pond 2 Middle
12/11/2023	15	X118-0010-X027-0000	97	1,764,000	2.75	0.76	6.23	4859.22	1335.94	10993.00	11/21/2023	Pond 2 Middle
			Annual Total	**20,676,000**	**63**	**18**	**124**	**67,218**	**19,539**	**136,754**		