

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:** Generations Dairy

Physical address of dairy:

6043 S Madera
Number and StreetKerman
CityFresno
County93630
Zip Code

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

Date facility was originally placed in operation: 01/01/1959Regional Water Quality Control Board Basin Plan designation: Tulare Basin

County Assessor Parcel Number(s) for dairy facility:

0030-0050-0057-0000

B. OPERATORS

DeGroot, Jonathon

Operator name: DeGroot, JonathonTelephone no.: (559) 237-8551 (559) 352-6340
Landline Cellular6043 S. Madera Avenue
Mailing Address Number and StreetKerman
CityCA 93630
State Zip Code**C. OWNERS**

DeGroot, Jonathon

Legal owner name: DeGroot, JonathonTelephone no.: (559) 237-8551 (559) 352-6340
Landline Cellular6043 S. Madera Avenue
Mailing Address Number and StreetKerman
CityCA 93630
State Zip Code

JONATHON C. DEGROOT, and KARA S. DEGROOT FAMILY TRUST

Legal owner name: JONATHON C. DEGROOT, and KARA S. DEGROOT FAMILY TRUSTTelephone no.: (559) 237-8551
Landline Cellular6043 S. Madera Avenue
Mailing Address Number and StreetKerman
CityCA 93630
State Zip Code**This owner is responsible for paying permit fees.**

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AVAILABLE NUTRIENTS

A. HERD INFORMATION

	Milk Cows	Dry Cows	Bred Heifers (15-24 mo.)	Heifers (7-14 mo. to breeding)	Calves (4-6 mo.)	Calves (0-3 mo.)
Number open confinement	0	0	225	0	0	0
Number under roof	1,437	138	0	0	0	0
Maximum number	1,500	155	260	0	0	0
Average number	1,437	138	225	0	0	0
Avg live weight (lbs)	1,400	1,450	1,000	0		

Predominant milk cow breed: Holstein

Average milk production: 80 pounds per cow per day

B. MANURE GENERATED

Total manure excreted by the herd: 42,926.28 tons per reporting period

Total nitrogen from manure: 550,528.89 lbs per reporting period

After ammonia losses (30% loss applied): 385,370.22 lbs per reporting period

Total phosphorus from manure: 92,582.09 lbs per reporting period

Total potassium from manure: 284,639.85 lbs per reporting period

Total salt from manure: 708,344.55 lbs per reporting period

C. PROCESS WASTEWATER GENERATED

Process wastewater generated: 19,895,121 gallons

Total nitrogen generated: 100,056.50 lbs

Total phosphorus generated: 8,077.94 lbs

Total potassium generated: 62,610.44 lbs

Total salt generated: 925,521.77 lbs

	0 gallons applied
+	19,895,121 gallons exported
-	0 gallons imported
=	19,895,121 gallons generated

D. FRESH WATER SOURCES

Source Description	Type
#1-DOM	Ground water
#3	Ground water
#4-DOM	Ground 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 (%)
06/08/2023	Corral solids	2,452.00 ton	Dry-weight	28.5		13,300.00	4,300.00	28,500.00		0.00

Date	Material type	Quantity	Kjeldahl-N (mg/L)	Ammonium-N (mg/L)	Ammonia-N (mg/L)	Nitrate-N (mg/L)	P (mg/L)	K (mg/L)	EC (µmhos/cm)	TDS (mg/L)
03/31/2023	Process wastewater	6,366,439.00 gal	868.00	596.00	0.00	0.00	47.30	227.00		6,740
06/30/2023	Process wastewater	4,973,780.00 gal	162.00	81.20	0.00	0.00	43.40	245.00		1,060
09/30/2023	Process wastewater	2,984,268.00 gal	720.00	518.00	0.00	0.00	67.50	14.30		8,960
12/31/2023	Process wastewater	5,570,634.00 gal	630.00	445.00	0.00	0.00	44.80	861.00		6,460

Material type	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Dry manure	46,634.59	15,077.35	99,931.26	0.00
Process wastewater	100,056.50	8,077.94	62,610.44	925,521.77
Total exports for all materials	146,691.09	23,155.28	162,541.70	925,521.77

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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	20	12	0	none	0030-0050-0057-0000
Totals for areas that were used for application					
Totals for areas that were not used for application	20	12	0		
Land application area totals	20	12	0		

B. CROPS AND HARVESTS

No application area fields entered.

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NUTRIENT BUDGET

A. LAND APPLICATIONS

No application area crops entered.

B. NUTRIENT BUDGET

No application area crops entered.

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NUTRIENT ANALYSES

A. MANURE ANALYSES

Manures

Sample and source description: Manures

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

Moisture: 28.5 %

	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	13,300.00	4,300.00	28,500.00							0.00
DL	1,000.00	1,000.00	1,000.00							0.10

Sep. Solids

Sample and source description: Sep. Solids

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

Moisture: 52.4 %

	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	19,700.00	2,580.00	6,030.00							0.00
DL	1,000.00	1,000.00	1,000.00							0.10

Export Manure

Sample and source description: Export Manure

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

Moisture: 35.3 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	14,400.00	4,150.00	13,000.00							0.00
DL	1,000.00	1,000.00	1,000.00							0.10

B. PROCESS WASTEWATER ANALYSES

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WWS-East-4 / 2022

Sample and source description: WWS-East-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	666.00	482.00	0.00	0.00	59.10	902.00								5,590.00	4,860
DL	5.00	0.50	0.50	0.50	0.50	2.00								1.00	10

WWS-East-1

Sample and source description: WWS-East-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	868.00	596.00	0.00	0.00	47.30	227.00								9,780.00	6,740
DL	0.50	0.50	0.50	0.50	0.50	2.00								1.00	10

WWS_East-2

Sample and source description: WWS_East-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	162.00	81.20	0.00	0.00	43.40	245.00								2,050.00	1,060
DL	0.50	0.50	0.50	0.50	0.50	2.00								1.00	10

WWS-East-3

Sample and source description: WWS-East-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	720.00	518.00	0.00	0.00	67.50	14.30								9,240.00	8,960
DL	0.50	0.50	0.50	0.50	0.50	2.00								1.00	10

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WWS-West-4

Sample and source description: WWS-West-4

Sample date: 11/15/2023 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	630.00	445.00	0.00	0.00	44.80	861.00								8,640.00	6,460
DL	0.50	0.50	0.50	0.50	0.50	2.00								1.00	10

C. FRESH WATER ANALYSES

#1-DOM

#1-DOM

Sample description: #1-DOM

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	11.10	0.00	11.10								1,170.00	747
DL	0.50	0.50	0.50								1.00	10

#3

#3

Sample description: #3

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	7.32	0.00	7.32								7,950.00	509
DL	0.50	0.50	0.50								1.00	10

#4-DOM

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#4-DOM

#4-DOM

Sample description: #4-DOM

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	8.40	0.00	8.40								9,130.00	584
DL	0.50	0.50	0.50								1.00	10

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.*

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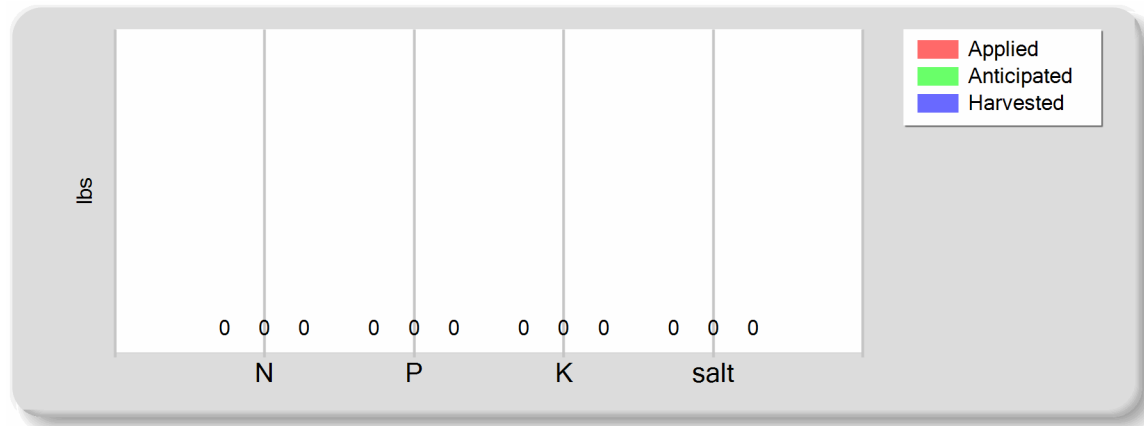
Reporting period 01/01/2023 to 12/31/2023.

NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE

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

	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	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



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C. POUNDS OF NUTRIENT APPLIED BY MATERIAL TYPE

Pounds of nitrogen applied

Existing soil nutrient content 0
Plowdown credit 0
Commercial fertilizer / Other 0
Dry manure 0
Process wastewater 0
Fresh water 0
Atmospheric deposition 0

lbs

Pounds of phosphorus applied

Existing soil nutrient content 0
Plowdown credit 0
Commercial fertilizer / Other 0
Dry manure 0
Process wastewater 0
Fresh water 0
Atmospheric deposition 0

lbs

Pounds of potassium applied

Existing soil nutrient content 0
Plowdown credit 0
Commercial fertilizer / Other 0
Dry manure 0
Process wastewater 0
Fresh water 0
Atmospheric deposition 0

lbs

Pounds of salt applied

Existing soil nutrient content 0
Plowdown credit 0
Commercial fertilizer / Other 0
Dry manure 0
Process wastewater 0
Fresh water 0
Atmospheric deposition 0

lbs

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

EXCEPTION REPORTING

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

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

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

B. STORM WATER DISCHARGES

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

No stormwater discharges occurred during the reporting period.

C. LAND APPLICATION AREA TO SURFACE WATER DISCHARGES

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

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

NUTRIENT MANAGEMENT PLAN AND EXPORT AGREEMENT STATEMENTS

A. NUTRIENT MANAGEMENT PLAN STATEMENTS

Was the facility's NMP updated in the reporting period? Yes

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

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

B. EXPORT AGREEMENT STATEMENT

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

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ADDITIONAL NOTES

A. NOTES

GENERATIONS DAIRY

No crops were grown this year. No irrigation water or process waste water was applied to 12 acre application area.

All manures solid manures are exported setting aside an amount used as bedding. All Process Waste Waters are also exported.

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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.

Scott Haupt

Scott Haupt (Jun 28, 2024 14:30 PDT)

SIGNATURE OF OWNER OF FACILITY

and KARA S. DEGROOT FAMILY TRUST JONATHON C. DEGROOT

PRINT OR TYPE NAME

Jun 28, 2024

DATE

Scott Haupt

Scott Haupt (Jun 28, 2024 14:30 PDT)

SIGNATURE OF OPERATOR OF FACILITY

Jonathon DeGroot

PRINT OR TYPE NAME

Jun 28, 2024

DATE

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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.

**Denele Analytical, Inc.**

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

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

Compliance Analysis Report

Customer

Generations Dairy
6043 S. Madera Ave.
Kerman, CA 93630

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 16.0c

Sample ID	Lab ID	Analyte	Method Ref	Result	Units
#3	T3229019B	Electrical Conductivity (EC)	EPA 120.1 and	0.795	mmhos/cm
		Nitrate Nitrogen (NO3-N)	EPA 353.2	7.32	mg/L
		Ammonia Nitrogen (NH3-N)	SM 4500-NH3 D,C	< 0.500	mg/L
		Soluble Salts (SALT-SOL)	Calculation	509	mg/L

Laboratory Quality Control	LCS %	MS %	MSD %	RPD %
Ammonia Nitrogen (NH3-N)	99.0	97.6 (T3229017A)	101 (T3229017A)	3.61
Electrical Conductivity (EC)	100			0.492
Nitrate Nitrogen (NO3-N)	104	100 (T3229017A)	97.7 (T3229017A)	2.75

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.

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Phone (530) 666-9056 - Fax (530) 666-9058

Compliance Analysis Report

Customer

Generations Dairy
6043 S. Madera Ave.
Kerman, CA 93630

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 15.8c

Sample ID	Lab ID	Analyte	Method Ref	Result	Units
#1-DOM	T3229019C	Electrical Conductivity (EC)	EPA 120.1 and	1.17	mmhos/cm
		Nitrate Nitrogen (NO3-N)	EPA 353.2	11.1	mg/L
		Ammonia Nitrogen (NH3-N)	SM 4500-NH3 D,C	< 0.500	mg/L
		Soluble Salts (SALT-SOL)	Calculation	747	mg/L

Laboratory Quality Control	LCS %	MS %	MSD %	RPD %
Ammonia Nitrogen (NH3-N)	99.0	97.6 (T3229017A)	101 (T3229017A)	3.61
Electrical Conductivity (EC)	100			0.032
Nitrate Nitrogen (NO3-N)	104	100 (T3229017A)	97.7 (T3229017A)	2.75

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Compliance Analysis Report

Customer

Generations Dairy
6043 S. Madera Ave.
Kerman, CA 93630

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 15.8c

Sample ID	Lab ID	Analyte	Method Ref	Result	Units
#4-DOM	T3229019D	Electrical Conductivity (EC)	EPA 120.1 and	0.913	mmhos/cm
		Nitrate Nitrogen (NO3-N)	EPA 353.2	8.40	mg/L
		Ammonia Nitrogen (NH3-N)	SM 4500-NH3 D,C	< 0.500	mg/L
		Soluble Salts (SALT-SOL)	Calculation	584	mg/L

Laboratory Quality Control	LCS %	MS %	MSD %	RPD %
Ammonia Nitrogen (NH3-N)	99.0	97.6 (T3229017A)	101 (T3229017A)	3.61
Electrical Conductivity (EC)	100			0.032
Nitrate Nitrogen (NO3-N)	104	100 (T3229017A)	97.7 (T3229017A)	2.75

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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: GENERATIONS DAIRY
Mailing address: 6043 S. Madera Ave., Kerman CA 93630

(not facility address)

Phone#: 559-352-6340

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

H1	H3	M3	F18	OTHER

	Date Collected	Time Collected	Sample ID	Description	Temp	Well Purge	Analysis			
1	8-16-23	1345	WWS-EAST-3		15.8'			X		
2	↓	1400	#3		16.0		X			
3	↓	1405	#1-DOM		15.8	RUNNING	X			
4	8-16-23	1415	#4-DOM		15.8	"	X			
5										
6										
7										
8										
9										
10										

CHAIN OF CUSTODY RECORDING

	Signature	Company	Received Date & Time	Relinquished Date & Time	(LABORATORY USE ONLY)	
1st		HeartLand Consulting		8-17-23 1440	Logged In By:	LABORATORY NUMBER
2nd		DENELE ANALYTICAL, INC.	8/17/23 1440			T3229019

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

**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: Jonathon DeGroot

Name of Dairy Facility: Generations Dairy

Facility Address:

6043 S Madera	Kerman	Fresno	93630
Number and Street	City	County	Zip Code

Contact Person Name and Phone Number:	<u>Jonathon DeGroot</u>	<u>(559) 352-6340</u>
	Name	Phone Number

PROCESS WASTEWATER HAULER INFORMATION

Name of Hauling Company/Person: Generations Dairy

Address of Hauling Company/Person:

6043 S. Madera Avenue	Kerman	CA	93630
Number and Street	City	State	Zip Code

Contact Person:	<u>Jonathon DeGroot</u>	<u>(559) 352-6340</u>
	Name	Phone Number

DESTINATION INFORMATION

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

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

Haupt & Sons Farming	<u>(559) 246-2633</u>
Name	Phone Number

P.O. Box 502	Kerman	CA	93630
Address	City	State	Zip Code

Destination Address or Assessor's Parcel Number:

	Kerman	93630
Address	City	Zip Code

Lincoln and S. Madera Avenue	Fresno
Street and nearest cross street (if no address)	County

Assessor's Parcel Number	Assessor's Parcel Number County
--------------------------	---------------------------------

Last date hauled: 03/31/2023

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

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

PROCESS WASTEWATER AMOUNT HAULED

Enter the amount of process wastewater hauled in gallons and the method used to determine the amount:

Process Wastewater: 6,366,439 gallons

Method used to determine volume of process wastewater:

Run times multiplied by the number of run hours and Gallons per Minute. Qualified by the amount of barn water used and sent to pond

WRITTEN AGREEMENT

Does the Operator have a written agreement (in compliance with Land Application Specification C.2 of Waste Discharge Requirements General Order No. R5-2007-0035) with any party that receives process wastewater from the Operator for its own use?

☒ YES ☐ NO

If the answer is no, the Operator agrees to have such a written agreement with any such party for any process wastewater transferred after 31 December 2007 to such party.

_____ (Operator shall provide initials here to acknowledge this requirement)

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.

Scott Haupt
Scott Haupt (Jun 28, 2024 14:30 PDT)

Operator Signature

Jun 28, 2024

Date

Scott Haupt
Hauler Signature

06-28-2024
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: Jonathon DeGroot

Name of Dairy Facility: Generations Dairy

Facility Address:

6043 S Madera	Kerman	Fresno	93630
Number and Street	City	County	Zip Code

Contact Person Name and Phone Number:	<u>Jonathon DeGroot</u>	<u>(559) 352-6340</u>
	Name	Phone Number

PROCESS WASTEWATER HAULER INFORMATION

Name of Hauling Company/Person: Generations Dairy

Address of Hauling Company/Person:

6043 S. Madera Avenue	Kerman	CA	93630
Number and Street	City	State	Zip Code

Contact Person:	<u>Jonathon DeGroot</u>	<u>(559) 352-6340</u>
	Name	Phone Number

DESTINATION INFORMATION

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

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

Haupt & Sons Farming	<u>(559) 246-2633</u>
Name	Phone Number

P.O. Box 502	Kerman	CA	93630
Address	City	State	Zip Code

Destination Address or Assessor's Parcel Number:

	Kerman	93630
Address	City	Zip Code

Lincoln and S. Madera Avenue	Fresno
Street and nearest cross street (if no address)	County

Assessor's Parcel Number	Assessor's Parcel Number County
--------------------------	---------------------------------

Last date hauled: 06/30/2023

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

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

PROCESS WASTEWATER AMOUNT HAULED

Enter the amount of process wastewater hauled in gallons and the method used to determine the amount:

Process Wastewater: 4,973,780 gallons

Method used to determine volume of process wastewater:

Run times multiplied by the number of run hours and Gallons per Minute. Qualified by the amount of barn water used and sent to pond

WRITTEN AGREEMENT

Does the Operator have a written agreement (in compliance with Land Application Specification C.2 of Waste Discharge Requirements General Order No. R5-2007-0035) with any party that receives process wastewater from the Operator for its own use?

☒ YES ☐ NO

If the answer is no, the Operator agrees to have such a written agreement with any such party for any process wastewater transferred after 31 December 2007 to such party.

_____ (Operator shall provide initials here to acknowledge this requirement)

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.

Scott Haupt
Scott Haupt (Jun 28, 2024 14:30 PDT)

Operator Signature

Jun 28, 2024

Date

Scott Haupt
Hauler Signature

06-28-2024
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: Jonathon DeGroot

Name of Dairy Facility: Generations Dairy

Facility Address:

6043 S Madera	Kerman	Fresno	93630
Number and Street	City	County	Zip Code

Contact Person Name and Phone Number:	<u>Jonathon DeGroot</u>	<u>(559) 352-6340</u>
	Name	Phone Number

MANURE HAULER INFORMATION

Name of Hauling Company/Person: Burrows Trucking

Address of Hauling Company/Person:

13265 W. Jensen Avenue	Kerman	CA	93630
Number and Street	City	State	Zip Code

Contact Person:	<u>Burrows Lonnie</u>	<u>(559) 246-3831</u>
	Name	Phone Number

DESTINATION INFORMATION

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

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

<u>Burrows Trucking</u>	<u>(559) 246-3831</u>
Name	Phone Number

13265 W. Jensen Avenue	Kerman	CA	93630
Address	City	State	Zip Code

Destination Address or Assessor's Parcel Number:

	Kerman	93630
Address	City	Zip Code

W. Jensen Avenue	Fresno
Street and nearest cross street (if no address)	County

Assessor's Parcel Number	Assessor's Parcel Number County
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Last date hauled: 06/08/2023

**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: 2,452.00 tons

Manure Solids Content: 71.5 %

Method used to determine amount of manure:

An average of 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.

Scott Haupt
Scott Haupt (Jun 28, 2024 14:30 PDT)

Jun 28, 2024

Operator Signature

Date

Lonnie Burrows
Hauler Signature

02-09-2024
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.
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OPERATOR INFORMATION

Name of Operator: Jonathon DeGroot

Name of Dairy Facility: Generations Dairy

Facility Address:

6043 S Madera	Kerman	Fresno	93630
Number and Street	City	County	Zip Code

Contact Person Name and Phone Number:	<u>Jonathon DeGroot</u>	<u>(559) 352-6340</u>
	Name	Phone Number

PROCESS WASTEWATER HAULER INFORMATION

Name of Hauling Company/Person: Generations Dairy

Address of Hauling Company/Person:

6043 S. Madera Avenue	Kerman	CA	93630
Number and Street	City	State	Zip Code

Contact Person:	<u>Jonathon DeGroot</u>	<u>(559) 352-6340</u>
	Name	Phone Number

DESTINATION INFORMATION

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

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

Haupt & Sons Farming	<u>(559) 246-2633</u>
Name	Phone Number

P.O. Box 502	Kerman	CA	93630
Address	City	State	Zip Code

Destination Address or Assessor's Parcel Number:

	Kerman	93630
Address	City	Zip Code

Lincoln and S. Madera Avenue	Fresno
Street and nearest cross street (if no address)	County

Assessor's Parcel Number	Assessor's Parcel Number County
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Last date hauled: 09/30/2023

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

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

PROCESS WASTEWATER AMOUNT HAULED

Enter the amount of process wastewater hauled in gallons and the method used to determine the amount:

Process Wastewater: 2,984,268 gallons

Method used to determine volume of process wastewater:

Run times multiplied by the number of run hours and Gallons per Minute. Qualified by the amount of barn water used and sent to pond

WRITTEN AGREEMENT

Does the Operator have a written agreement (in compliance with Land Application Specification C.2 of Waste Discharge Requirements General Order No. R5-2007-0035) with any party that receives process wastewater from the Operator for its own use?

☒ YES ☐ NO

If the answer is no, the Operator agrees to have such a written agreement with any such party for any process wastewater transferred after 31 December 2007 to such party.

_____ (Operator shall provide initials here to acknowledge this requirement)

CERTIFICATION

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Scott Haupt
Scott Haupt (Jun 28, 2024 14:30 PDT)

Jun 28, 2024

Operator Signature

Date

Scott Haupt
Hauler Signature

06-28-2024
Date

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

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

INSTRUCTIONS

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OPERATOR INFORMATION

Name of Operator: Jonathon DeGroot

Name of Dairy Facility: Generations Dairy

Facility Address:

6043 S Madera	Kerman	Fresno	93630
Number and Street	City	County	Zip Code

Contact Person Name and Phone Number:	<u>Jonathon DeGroot</u>	<u>(559) 352-6340</u>
	Name	Phone Number

PROCESS WASTEWATER HAULER INFORMATION

Name of Hauling Company/Person: Generations Dairy

Address of Hauling Company/Person:

6043 S. Madera Avenue	Kerman	CA	93630
Number and Street	City	State	Zip Code

Contact Person:	<u>Jonathon DeGroot</u>	<u>(559) 352-6340</u>
	Name	Phone Number

DESTINATION INFORMATION

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

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

Haupt & Sons Farming	<u>(559) 246-2633</u>
Name	Phone Number

P.O. Box 502	Kerman	CA	93630
Address	City	State	Zip Code

Destination Address or Assessor's Parcel Number:

	Kerman	93630
Address	City	Zip Code

Lincoln and S. Madera Avenue	Fresno
Street and nearest cross street (if no address)	County

Assessor's Parcel Number	Assessor's Parcel Number County
--------------------------	---------------------------------

Last date hauled: 12/31/2023

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

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

PROCESS WASTEWATER AMOUNT HAULED

Enter the amount of process wastewater hauled in gallons and the method used to determine the amount:

Process Wastewater: 5,570,634 gallons

Method used to determine volume of process wastewater:

Run times multiplied by the number of run hours and Gallons per Minute. Qualified by the amount of barn water used and sent to pond

WRITTEN AGREEMENT

Does the Operator have a written agreement (in compliance with Land Application Specification C.2 of Waste Discharge Requirements General Order No. R5-2007-0035) with any party that receives process wastewater from the Operator for its own use?

☒ YES ☐ NO

If the answer is no, the Operator agrees to have such a written agreement with any such party for any process wastewater transferred after 31 December 2007 to such party.

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Scott Haupt

Scott Haupt (Jun 28, 2024 14:30 PDT)

Operator Signature

Jun 28, 2024

Date

Scott Haupt

Hauler Signature

06-28-2024

Date







2023 AR GENERATIONS DAIRY

Final Audit Report

2024-06-28

Created:	2024-06-28
By:	Daniel Roos (hlcdan@yahoo.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAKEkZKnqqkQv1NtNfvmjFk1A20mP0Y_mx

"2023 AR GENERATIONS DAIRY" History

-  Document created by Daniel Roos (hlcdan@yahoo.com)
2024-06-28 - 8:03:37 PM GMT- IP address: 54.153.53.166
-  Document emailed to generationsdairy@gmail.com for signature
2024-06-28 - 8:06:29 PM GMT
-  Email viewed by generationsdairy@gmail.com
2024-06-28 - 9:20:05 PM GMT- IP address: 66.249.84.68
-  Signer generationsdairy@gmail.com entered name at signing as Scott Haupt
2024-06-28 - 9:30:53 PM GMT- IP address: 107.77.211.227
-  Document e-signed by Scott Haupt (generationsdairy@gmail.com)
Signature Date: 2024-06-28 - 9:30:55 PM GMT - Time Source: server- IP address: 107.77.211.227
-  Agreement completed.
2024-06-28 - 9:30:55 PM GMT