



G & A Dairy

2023 Annual Report

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| <input checked="" type="checkbox"/> Report Form | <input checked="" type="checkbox"/> Attachment H |
| <input checked="" type="checkbox"/> Attachment A | <input checked="" type="checkbox"/> Attachment I |
| <input checked="" type="checkbox"/> Attachment B | <input checked="" type="checkbox"/> Attachment J |
| <input checked="" type="checkbox"/> Attachment C | <input checked="" type="checkbox"/> Manure Tracking Manifests |
| <input checked="" type="checkbox"/> Attachment D | <input checked="" type="checkbox"/> New or Revised Waste Water Agreements |
| <input checked="" type="checkbox"/> Attachment E | <input checked="" type="checkbox"/> Groundwater Monitoring Samples |
| <input checked="" type="checkbox"/> Attachment F | <input checked="" type="checkbox"/> Monitoring Well Report |
| <input checked="" type="checkbox"/> Attachment G | <input checked="" type="checkbox"/> Owner/Operator Change Form |

Enclosed are the required documents to be submitted to the Regional Water Quality Control Board Central Valley Region in compliance with Order No. R5-2013-0122 Waste Discharge Requirements, General Order for Existing Milk Cow Dairies for July 1, 2024.

(See attached delivery confirmation)

Annual Report

G & A Dairy 2023

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

Facility Information:

Name of Dairy	G & A Dairy
Facility Address	2200 S. Marks Avenue, Fresno CA 93706

Owner/Operator as of 12/31/2023

Operator Name	Gerrit Roeloffs
Operator Phone	(559) 280-8053
Owner Name	Triple T Farms, LP
Owner Phone	(559) 352-6428

1. Beginning and end dates of the annual reporting period: crops harvested January 1, 2023 through December 31, 2023.
2. Maximum and average number and type of animals (see Attachment A).
3. Estimated amount of total manure and process wastewater generated by the facility (see Attachment A).
4. Estimated amount of total manure and process wastewater applied to each land application area (see Attachment B).
5. Quantified ratio of total nitrogen applied to land application areas and total nitrogen removed by crop harvest (see Attachment B).
6. Estimated amount of total manure and process wastewater transferred to other persons by the facility (see Attachment C).
7. Total number of acres and the Assessor Parcel Numbers for all land application areas that were not used for application of manure or process wastewater (see Attachment D).
8. Total number of acres and the Assessor Parcel Numbers for all land application areas that were used for land application of manure and process wastewater (see Attachment D).

9. Summary of manure and process wastewater discharges from the production area

Provide a summary of all manure and 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, that occurred during the annual reporting period, including the date, time, location, approximate volume, a map showing discharge and sample locations, rationale for sample locations, and method of measuring discharge flows:

- No discharges occurred during the reporting period.
 Yes. _____ Number of discharges occurred (see Attachment H).

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10. Summary of storm water discharges from the production area

Provide a summary of all storm water discharges from the production area to surface water, that occurred during the annual reporting period, including the date, time, approximate volume, duration, location, a map showing discharge and sample locations, rationale for sample locations, and method of measuring discharge flows:

- No discharges occurred during the reporting period.
 Yes. _____ Number of discharges occurred (see Attachment I).

11. Summary of discharges from the land application area

Provide a summary of all discharges from the land application area to surface water, that occurred during the annual reporting period, including the date, time, approximate volume, location, source of discharge (i.e. tailwater, wastewater or blended wastewater), a map showing discharge and sample locations, rationale for sample locations, and method of measuring discharge flows:

- No discharges occurred during the reporting period.
 Yes. _____ Number of discharges occurred (see Attachment J).

12. Nutrient Management Plan update

Has the NMP been updated, and if so, was it updated by a Certified Nutrient Management Specialist?

- No.
 Yes, the new NMP was developed and approved by a Certified Nutrient Management Specialist.

13. Manure/Process Wastewater Tracking Manifests

Did you sell, give away, or otherwise remove manure or process wastewater from your property?

- No.
 Yes, see attached manifests.

14. Written Agreements

Any process wastewater transferred to a third party that receives process wastewater from your dairy for its own use must have a written agreement consistent with State requirements. Attach copies of revised and/or new agreements not submitted previously. Do not resubmit agreements submitted previously.

- Not applicable; no written agreements.
 No changes in agreement(s).
 Yes, a new or revised agreement is attached.

15. Laboratory Analyses for Discharges

If you answered Yes to items #9, 10, or 11 above, attach copies of all laboratory analyses for all discharges (manure, process wastewater or tailwater), surface water (upstream and downstream of a discharge), and storm water, including chain-of-custody forms and laboratory quality assurance/quality control results, as applicable. (Results for Manure and process wastewater, storm water, and/or storm water are provided).

- Not Applicable.
 Yes, provided with Attachment H, I, or J for #9, 10 and 11, respectively.

16. Tabulated Nutrient Analytical Data

Attach tabulated analytical data for samples of manure, process wastewater, irrigation water, soil, and plant tissue. The data shall be tabulated to clearly show sample dates, constituents analyzed, constituent concentrations, and detection limits (see Attachment E).

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17. Record-Keeping Results

Attach results of the Record-Keeping Requirements for the production and land application areas specified in Record-Keeping Requirements. These include:

- * Records documenting any corrective actions taken to correct deficiencies noted as a result of the inspections required in the Monitoring Requirements. Deficiencies not corrected in 30 days must be accompanied by an explanation of the factors preventing immediate correction.
- * Records of the date, time, and estimated volume of any overflow or bypass of the wastewater storage or conveyance structures.
- * Expected and actual crop yields (see Attachment F).
- * Identification of crop, acreage, and dates of planting and harvest for each field (see Attachment F).
- * Dates, locations, and approximate weight and moisture content of manure applied to each field (see Attachment B).
- * Dates, locations, and volume of process wastewater applied to each field (see Attachment B).
- * Whether precipitation occurred, or standing water was present at the time of manure and process wastewater applications and for 24 hours prior to and following applications (see Attachment G).
- * Total amount of nitrogen, phosphorus, and potassium actually applied to each field, including documentation of calculations for the total amount applied (see Attachment B).

18. Groundwater Monitoring Section

Groundwater monitoring results are attached.

Monitoring Well results are attached, if applicable.

A. All dischargers must attach groundwater information for supply wells and subsurface (tile) drainage systems including the location of sample collection and all field and laboratory data, including all laboratory analyses (including chain-of-custody forms and laboratory quality assurance/quality control results).

B. Dischargers who have monitoring well systems shall include all laboratory analyses (including chain-of-custody forms and laboratory quality assurance/quality control results) and tabular and graphical summaries of the monitoring data. Data shall be tabulated to clearly show the sample dates, constituents analyzed, constituent concentrations, detection limits, depth to groundwater and groundwater elevations. Graphical summaries of groundwater gradients and flow directions shall also be included. Each groundwater monitoring report shall include a summary data table for all historical and current groundwater elevations and analytical results. The groundwater monitoring results shall be certified by a California registered professional.

19. Storm Water Reporting Section

No significant discharges of storm water occurred from the land application areas.

Yes, significant discharge(s) of storm water occurred from land application areas. The following information shall be submitted for those discharges.

It was not possible to collect any of the required samples or perform visual observations due to adverse climatic conditions.

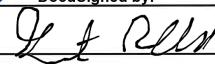
20. Mortality Management Practices

* Dead cows are picked up and disposed of by rendering service.

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"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."

DocuSigned by:



Signature of Operator of Facility

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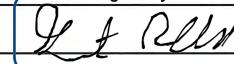
Gerrit Roeloffs

Print Name

6/22/2024

Title and Date

DocuSigned by:



Signature of Owner of Facility

87B38C1C9606464

Triple T Farms, LP

Print Name

6/22/2024

Title and Date



INNOVATIVE AG SERVICES

G & A Dairy 2023

Estimated Manure and Nutrients Generated (Attachment A)

Animal Type	Maximum No. of Head	Average No. of Head*	Housing Type	Weight	Total Manure Produced (tons/year)	NITROGEN	PHOSPHORUS	POTASSIUM	SALTS
						Net (LB) Available for Land Application			
Hol Milk Cows	1,288	1,255	Vacuumed	1,400	31,850.50	453,494.25	77,872.75	105,357.25	827,283.45
Hol Dry Cows	200	195	Dry Scrape	1,450	2,845.46	35,587.50	4,982.25	23,487.75	50,221.08
Hol Heifers(15-24)	475	463	Dry Scrape	1,000	4,833.04	64,218.10	10,139.70	30,419.10	119,242.87
Hol Heifers (7-14)	225	219	Dry Scrape	750	2,106.18	20,783.10	3,517.14	11,990.25	26,438.50
	2,188	2,132			41,635.19	574,082.95	96,511.84	171,254.35	1,023,185.90

* The Average No. of Head is used to calculate manure and nutrient production

Estimated Amount of Total Process Wastewater and Nutrients Generated

Total Gallons of Process Wastewater Generated***	Average TKN Concentration (mg/L)*	Average Total Phosphorus Concentration (mg/L)*	Average Potassium Concentration (mg/L)*	Average Total Dissolved Solids (mg/L)*	Total Nitrogen Generated (lb)**	Total Phosphorus Generated (lb)**	Total Potassium Generated (lb)**	Total Salt Generated (lb)**
16,393,322	263.25	46.20	264.50	2,367.50	35,948.47	6,308.90	36,119.16	323,297.22

* The average Total Kjeldahl Nitrogen, Total Phosphorus, Total Potassium, and Total Salt concentrations are based on an average of all process wastewater sample results for the year.

** The total pounds of Nitrogen, Phosphorus, Potassium and Total Dissolved Solids generated = Average Concentration (mg/L) X Total Gallons of Wastewater Generated X 8.33 X 0.000001.

*** The total gallons of process wastewater generated is calculated as the total gallons of process wastewater applied to all land application areas (Attachment B) plus the total gallons of process wastewater transferred offsite (Attachment C).



G & A Dairy 2023

Nutrient Applications (Attachment B)

Field Name: Field #801

Wheat, 55 Acres Planted on 11/15/2022

Date	Event/Source	Amount Applied/Yield (per Acre) Units	Lab Sample Data					Manure Applied (Tons)	Wastewater Applied (Gallons)	Nitrogen Applied (Lbs)	Phosphorus Applied (Lbs)	Potassium Applied (Lbs)	Salt Applied (Lbs)	Nitrogen Extracted (Lbs)
10/16/2022	Corral Solids: Corral	7.00 Tons	34.40	1.95	0.60	2.76	%	385		9,850	3,056	13,941	0	
12/08/2022	Ground Water: Well Avg	4.46 Acre Inches		4.85			mg/L			269	0	0	13,872	
01/01/2023	Atmospheric Deposit	14.00 Pounds		100.00			%			770				
02/20/2023	Ground Water: Well Avg	4.64 Acre Inches		5.30			mg/L			306	0	0	14,431	
05/12/2023	Ground Water: Well Avg	4.55 Acre Inches		5.30			mg/L			300	0	0	14,152	
05/30/2023	Harvest	18.20 Tons	61.90	1.14	0.26	0.92	%							8,696
Acre Inches Applied:		13.65	Totals:					385		11,494	3,056	13,941	42,454	8,696
Season Nitrogen Ratio:		1.32	Lbs Per Acre:							209	56	253	772	158

Field Name: Field #801

Corn, 55 Acres Planted on 06/20/2023

Date	Event/Source	Amount Applied/Yield (per Acre) Units	Lab Sample Data					Manure Applied (Tons)	Wastewater Applied (Gallons)	Nitrogen Applied (Lbs)	Phosphorus Applied (Lbs)	Potassium Applied (Lbs)	Salt Applied (Lbs)	Nitrogen Extracted (Lbs)
06/05/2023	Corral Solids: Corral	8.00 Tons	34.70	1.87	0.68	1.59	%	440		10,746	3,890	9,137	0	
07/02/2023	Ground Water: Well Avg	4.91 Acre Inches		5.30			mg/L			324	0	0	15,271	
07/17/2023	Ground Water: Well Avg	5.18 Acre Inches		5.30			mg/L			342	0	0	16,111	
08/02/2023	Ground Water: Well Avg	4.82 Acre Inches		5.30			mg/L			318	0	0	14,991	
08/16/2023	Ground Water: Well Avg	5.18 Acre Inches		5.30			mg/L			342	0	0	16,111	
08/31/2023	Ground Water: Well Avg	5.27 Acre Inches		5.30			mg/L			348	0	0	16,391	
09/16/2023	Ground Water: Well Avg	4.90 Acre Inches		5.30			mg/L			323	0	0	15,240	
10/18/2023	Harvest	28.60 Tons	64.30	1.01	0.21	1.03	%							11,344
Acre Inches Applied:		30.26	Totals:					440		12,741	3,890	9,137	94,114	11,344
Season Nitrogen Ratio:		1.12	Lbs Per Acre:							232	71	166	1,711	206



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Nutrient Applications (Attachment B)

Field Name: Field #803

Wheat, 17 Acres Planted on 11/27/2022

Date	Event/Source	Amount Applied/Yield (per Acre)	Units	Lab Sample Data					Manure Applied (Tons)	Wastewater Applied (Gallons)	Nitrogen Applied (Lbs)	Phosphorus Applied (Lbs)	Potassium Applied (Lbs)	Salt Applied (Lbs)	Nitrogen Extracted (Lbs)
10/18/2022	Corral Solids: Corral	10.00	Tons	34.40	1.95	0.60	2.76	%	170		4,349	1,349	6,156	0	
12/24/2022	Ground Water: Well Avg	4.35	Acre Inches		4.85			mg/L			81	0	0	4,182	
01/01/2023	Atmospheric Deposit	14.00	Pounds		100.00			%			238				
02/05/2023	Ground Water: Well Avg	5.20	Acre Inches		5.30			mg/L			106	0	0	4,999	
04/15/2023	Ground Water: Well Avg	5.32	Acre Inches		5.30			mg/L			108	0	0	5,114	
05/08/2023	Harvest	20.70	Tons	58.30	1.98	0.34	1.81	%							5,811
Acre Inches Applied:		14.87		Totals:					170		4,883	1,349	6,156	14,295	5,811
Season Nitrogen Ratio:		0.84		Lbs Per Acre:							287	79	362	841	342

G & A Dairy 2023

Nutrient Applications (Attachment B)

Field Name: Field #803

Corn, 17 Acres Planted on 06/23/2023

Date	Event/Source	Amount Applied/Yield (per Acre)	Units	Lab Sample Data					Manure Applied (Tons)	Wastewater Applied (Gallons)	Nitrogen Applied (Lbs)	Phosphorus Applied (Lbs)	Potassium Applied (Lbs)	Salt Applied (Lbs)	Nitrogen Extracted (Lbs)
				% Moist.	Nitrogen	Phos.	Potass.	Units							
06/03/2023	Corral Solids: Corral	4.00	Tons	34.70	1.87	0.68	1.59	%	68		1,661	601	1,412	0	
06/05/2023	Ground Water: Well Avg	5.06	Acre Inches		5.30			mg/L			103	0	0	4,864	
07/05/2023	Ground Water: Well Avg	5.16	Acre Inches		5.30			mg/L			105	0	0	4,960	
07/20/2023	Ground Water: Well Avg	5.82	Acre Inches		5.30			mg/L			119	0	0	5,595	
07/20/2023	Waste Water: Lagoon	0.65	Acre Inches		195.00	41.30	185.00	mg/L		300,055	487	103	462	6,499	
08/05/2023	Ground Water: Well Avg	5.80	Acre Inches		5.30			mg/L			118	0	0	5,576	
08/19/2023	Ground Water: Well Avg	4.90	Acre Inches		5.30			mg/L			100	0	0	4,711	
08/19/2023	Waste Water: Lagoon	0.62	Acre Inches		195.00	41.30	185.00	mg/L		286,206	465	98	441	6,199	
09/03/2023	Ground Water: Well Avg	5.07	Acre Inches		5.30			mg/L			103	0	0	4,874	
09/12/2023	Harvest	29.40	Tons	68.90	0.82	0.26	1.28	%							2,546
Acre Inches Applied:		33.08		Totals:					68	586,261	3,261	803	2,315	43,277	2,546
Season Nitrogen Ratio:				Lbs Per Acre:							192	47	136	2,546	150

G & A Dairy 2023

Nutrient Applications (Attachment B)

Field Name: Field #831

Wheat, 63 Acres Planted on 11/28/2022

Date	Event/Source	Amount Applied/Yield (per Acre)	Units	Lab Sample Data				Manure Applied (Tons)	Wastewater Applied (Gallons)	Nitrogen Applied (Lbs)	Phosphorus Applied (Lbs)	Potassium Applied (Lbs)	Salt Applied (Lbs)	Nitrogen Extracted (Lbs)
12/24/2022	Ground Water: Well Avg	4.58	Acre Inches	4.85			mg/L			316	0	0	16,316	
12/24/2022	Waste Water: Lagoon	0.57	Acre Inches	210.00	51.20	242.00	mg/L		975,111	1,706	416	1,966	23,962	
01/01/2023	Atmospheric Deposit	14.00	Pounds	100.00			%			882				
02/05/2023	Ground Water: Well Avg	4.64	Acre Inches	5.30			mg/L			350	0	0	16,531	
02/05/2023	Waste Water: Lagoon	0.59	Acre Inches	373.00	49.10	291.00	mg/L		1,009,325	3,136	413	2,447	18,413	
04/25/2023	Ground Water: Well Avg	4.81	Acre Inches	5.30			mg/L			364	0	0	17,136	
04/25/2023	Waste Water: Lagoon	0.65	Acre Inches	373.00	49.10	291.00	mg/L		1,111,969	3,455	455	2,695	20,285	
05/20/2023	Harvest	21.00	Tons	70.00	1.16	0.30	1.95 %							9,208
Acre Inches Applied:		15.84		Totals:				3,096,405	10,209	1,283	7,108	112,643	9,208	
Season Nitrogen Ratio:		1.11		Lbs Per Acre:				162	20	113	1,788	146		

G & A Dairy 2023

Nutrient Applications (Attachment B)

Field Name: Field #831

Corn, 63 Acres Planted on 06/15/2023

Date	Event/Source	Amount Applied/Yield (per Acre)	Units	Lab Sample Data				Manure Applied (Tons)	Wastewater Applied (Gallons)	Nitrogen Applied (Lbs)	Phosphorus Applied (Lbs)	Potassium Applied (Lbs)	Salt Applied (Lbs)	Nitrogen Extracted (Lbs)
06/27/2023	Ground Water: Well Avg	4.80	Acre Inches	5.30			mg/L			362	0	0	17,100	
06/27/2023	Waste Water: Lagoon	0.35	Acre Inches	274.00	45.10	321.00	mg/L		598,752	1,366	225	1,601	11,920	
07/12/2023	Ground Water: Well Avg	5.26	Acre Inches	5.30			mg/L			398	0	0	18,739	
07/28/2023	Ground Water: Well Avg	4.08	Acre Inches	5.30			mg/L			308	0	0	14,535	
07/28/2023	Waste Water: Lagoon	0.37	Acre Inches	195.00	41.30	185.00	mg/L		632,967	1,028	218	975	13,709	
08/11/2023	Ground Water: Well Avg	5.29	Acre Inches	5.30			mg/L			399	0	0	18,846	
08/26/2023	Ground Water: Well Avg	4.91	Acre Inches	5.30			mg/L			371	0	0	17,492	
08/26/2023	Waste Water: Lagoon	0.42	Acre Inches	195.00	41.30	185.00	mg/L		718,503	1,167	247	1,108	15,562	
09/11/2023	Ground Water: Well Avg	4.74	Acre Inches	5.30			mg/L			358	0	0	16,887	
09/23/2023	Ground Water: Well Avg	4.66	Acre Inches	5.30			mg/L			352	0	0	16,602	
10/03/2023	Harvest	29.00	Tons	72.50	0.75	0.30	1.33 %							7,517
Acre Inches Applied:		34.88		Totals:				1,950,222	6,110	690	3,684	161,392		7,517
Season Nitrogen Ratio:		0.81		Lbs Per Acre:				97	11	58	2,562			119

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Nutrient Applications (Attachment B)

Field Name: Field #832

Wheat, 30 Acres Planted on 11/28/2022

Date	Event/Source	Amount Applied/Yield (per Acre)	Units	Lab Sample Data				Manure Applied (Tons)	Wastewater Applied (Gallons)	Nitrogen Applied (Lbs)	Phosphorus Applied (Lbs)	Potassium Applied (Lbs)	Salt Applied (Lbs)	Nitrogen Extracted (Lbs)
12/24/2022	Ground Water: Well Avg	4.81	Acre Inches	4.85			mg/L			158	0	0	8,160	
12/24/2022	Waste Water: Lagoon	0.83	Acre Inches	210.00	51.20	242.00	mg/L		676,142	1,183	288	1,363	16,615	
01/01/2023	Atmospheric Deposit	14.00	Pounds	100.00			%			420				
02/05/2023	Ground Water: Well Avg	4.70	Acre Inches	5.30			mg/L			169	0	0	7,973	
02/05/2023	Waste Water: Lagoon	0.78	Acre Inches	373.00	49.10	291.00	mg/L		635,411	1,974	260	1,540	11,592	
04/16/2023	Ground Water: Well Avg	4.92	Acre Inches	5.30			mg/L			177	0	0	8,347	
04/16/2023	Waste Water: Lagoon	0.89	Acre Inches	373.00	49.10	291.00	mg/L		725,020	2,253	296	1,757	13,226	
05/08/2023	Harvest	20.80	Tons	65.90	1.84	0.45	2.01 %							7,831
Acre Inches Applied:		16.93		Totals:				2,036,572	6,334	844	4,660	65,913	7,831	
Season Nitrogen Ratio:		0.81		Lbs Per Acre:				211	28	155	2,197	261		

G & A Dairy 2023

Nutrient Applications (Attachment B)

Field Name: Field #832

Corn, 30 Acres Planted on 06/20/2023

Date	Event/Source	Amount Applied/Yield (per Acre)	Units	Lab Sample Data					Manure Applied (Tons)	Wastewater Applied (Gallons)	Nitrogen Applied (Lbs)	Phosphorus Applied (Lbs)	Potassium Applied (Lbs)	Salt Applied (Lbs)	Nitrogen Extracted (Lbs)
06/02/2023	Corral Solids: Corral	5.00	Tons	34.70	1.87	0.68	1.59	%	150		3,663	1,326	3,115	0	
07/02/2023	Ground Water: Well Avg	4.75	Acre Inches		5.30			mg/L			171	0	0	8,058	
07/17/2023	Ground Water: Well Avg	4.97	Acre Inches		5.30			mg/L			179	0	0	8,432	
07/17/2023	Waste Water: Lagoon	0.40	Acre Inches	195.00	41.30	185.00		mg/L		325,852	529	112	502	7,057	
08/02/2023	Ground Water: Well Avg	5.73	Acre Inches		5.30			mg/L			206	0	0	9,721	
08/16/2023	Ground Water: Well Avg	5.13	Acre Inches		5.30			mg/L			184	0	0	8,703	
08/16/2023	Waste Water: Lagoon	0.45	Acre Inches	195.00	41.30	185.00		mg/L		366,583	596	126	565	7,940	
08/31/2023	Ground Water: Well Avg	5.16	Acre Inches		5.30			mg/L			186	0	0	8,754	
09/12/2023	Harvest	29.90	Tons	68.90	0.88	0.25	1.19	%						4,921	
Acre Inches Applied:		26.59		Totals:					150	692,435	5,714	1,564	4,182	58,664	4,921
Season Nitrogen Ratio:		1.16		Lbs Per Acre:							190	52	139	1,955	164

G & A Dairy 2023

Nutrient Applications (Attachment B)

Field Name: Field #833

Wheat, 77 Acres Planted on 11/27/2022

Date	Event/Source	Amount Applied/Yield (per Acre)	Units	Lab Sample Data				Manure Applied (Tons)	Wastewater Applied (Gallons)	Nitrogen Applied (Lbs)	Phosphorus Applied (Lbs)	Potassium Applied (Lbs)	Salt Applied (Lbs)	Nitrogen Extracted (Lbs)
12/26/2022	Ground Water: Well Avg	4.46	Acre Inches	4.85			mg/L			377	0	0	19,420	
12/26/2022	Waste Water: Lagoon	0.82	Acre Inches	210.00	51.20	242.00	mg/L		1,714,523	2,999	732	3,457	42,132	
01/01/2023	Atmospheric Deposit	14.00	Pounds	100.00			%			1,078				
02/07/2023	Ground Water: Well Avg	4.28	Acre Inches	5.30			mg/L			395	0	0	18,636	
02/07/2023	Waste Water: Lagoon	0.75	Acre Inches	373.00	49.10	291.00	mg/L		1,568,161	4,873	641	3,801	28,608	
04/25/2023	Ground Water: Well Avg	4.32	Acre Inches	5.30			mg/L			399	0	0	18,810	
04/25/2023	Waste Water: Lagoon	0.77	Acre Inches	373.00	49.10	291.00	mg/L		1,609,978	5,003	658	3,902	29,370	
05/23/2023	Harvest	19.90	Tons	66.30	1.16	0.39	2.09	%						11,980
Acre Inches Applied:		15.40		Totals:				4,892,662	15,123	2,031	11,160	156,977	11,980	
Season Nitrogen Ratio:		1.26		Lbs Per Acre:				196	26	145	2,039	156		

G & A Dairy 2023

Nutrient Applications (Attachment B)

Field Name: Field #833

Corn, 77 Acres Planted on 06/21/2023

Date	Event/Source	Amount Applied/Yield (per Acre)	Units	Lab Sample Data					Manure Applied (Tons)	Wastewater Applied (Gallons)	Nitrogen Applied (Lbs)	Phosphorus Applied (Lbs)	Potassium Applied (Lbs)	Salt Applied (Lbs)	Nitrogen Extracted (Lbs)
06/04/2023	Corral Solids: Corral	5.00	Tons	34.70	1.87	0.68	1.59	%	385		9,402	3,404	7,995	0	
07/02/2023	Ground Water: Well Avg	4.62	Acre Inches		5.30			mg/L			427	0	0	20,117	
07/17/2023	Ground Water: Well Avg	5.90	Acre Inches		5.30			mg/L			544	0	0	25,690	
07/17/2023	Waste Water: Lagoon	0.47	Acre Inches	195.00	41.30	185.00		mg/L		982,714	1,596	338	1,515	21,284	
08/02/2023	Ground Water: Well Avg	5.35	Acre Inches		5.30			mg/L			494	0	0	23,296	
08/16/2023	Ground Water: Well Avg	4.76	Acre Inches		5.30			mg/L			440	0	0	20,726	
08/16/2023	Waste Water: Lagoon	0.52	Acre Inches	195.00	41.30	185.00		mg/L		1,087,258	1,766	374	1,676	23,548	
08/31/2023	Ground Water: Well Avg	5.47	Acre Inches		5.30			mg/L			505	0	0	23,818	
09/12/2023	Ground Water: Well Avg	5.22	Acre Inches		5.30			mg/L			482	0	0	22,729	
10/07/2023	Harvest	29.70	Tons	74.40	1.28	0.28	0.95	%							14,987
Acre Inches Applied:		32.31		Totals:					385	2,069,972	15,656	4,116	11,185	181,207	14,987
Season Nitrogen Ratio:		1.04		Lbs Per Acre:							203	53	145	2,353	195



G & A Dairy 2023

Nutrient Applications (Attachment B)

Field Name: Field #803N

Date	Event/Source	Amount Applied/Yield (per Acre)	Units	Lab Sample Data			Manure Applied (Tons)	Wastewater Applied (Gallons)	Nitrogen Applied (Lbs)	Phosphorus Applied (Lbs)	Potassium Applied (Lbs)	Salt Applied (Lbs)	Nitrogen Extracted (Lbs)
01/01/2023	Atmospheric Deposit	14.00	Pounds	100.00 %					70				
	Acre Inches Applied:	0.00					Totals:			70			
Season Nitrogen Ratio:							Lbs Per Acre:			14			

Season Notes: Fallow



G & A Dairy 2023

Nutrient Applications (Attachment B)

Field Name: Rodriguez

Wheat, 16 Acres Planted on 11/26/2022

Date	Event/Source	Amount Applied/Yield (per Acre)	Units	Lab Sample Data				Manure Applied (Tons)	Wastewater Applied (Gallons)	Nitrogen Applied (Lbs)	Phosphorus Applied (Lbs)	Potassium Applied (Lbs)	Salt Applied (Lbs)	Nitrogen Extracted (Lbs)
12/27/2022	Ground Water: Well Avg	4.91	Acre Inches	4.85			mg/L			86	0	0	4,442	
12/27/2022	Waste Water: Lagoon	0.56	Acre Inches	210.00	51.20	242.00	mg/L		243,303	426	104	490	5,979	
01/01/2023	Atmospheric Deposit	14.00	Pounds	100.00			%			224				
02/10/2023	Ground Water: Well Avg	5.15	Acre Inches	5.30			mg/L			99	0	0	4,660	
02/10/2023	Waste Water: Lagoon	0.45	Acre Inches	373.00	49.10	291.00	mg/L		195,511	608	80	474	3,567	
04/18/2023	Ground Water: Well Avg	5.66	Acre Inches	5.30			mg/L			109	0	0	5,121	
04/18/2023	Waste Water: Lagoon	0.40	Acre Inches	373.00	49.10	291.00	mg/L		173,788	540	71	421	3,170	
05/06/2023	Harvest	19.21	Tons	64.80	1.73	0.44	1.78 %							3,743
Acre Inches Applied:		17.13		Totals:					612,601	2,091	255	1,386	26,939	3,743
Season Nitrogen Ratio:		0.56		Lbs Per Acre:					131	16	87	1,684	234	

G & A Dairy 2023

Nutrient Applications (Attachment B)

Field Name: Rodriguez

Corn, 16 Acres Planted on 06/21/2023

Date	Event/Source	Amount Applied/Yield (per Acre)	Units	Lab Sample Data				Manure Applied (Tons)	Wastewater Applied (Gallons)	Nitrogen Applied (Lbs)	Phosphorus Applied (Lbs)	Potassium Applied (Lbs)	Salt Applied (Lbs)	Nitrogen Extracted (Lbs)	
				% Moist.	Nitrogen	Phos.	Potass.								
06/04/2023	Corral Solids: Corral	5.00	Tons	34.70	1.87	0.68	1.59	%	80		1,954	707	1,661	0	
07/04/2023	Ground Water: Well Avg	5.50	Acre Inches		5.30			mg/L			105	0	0	4,976	
07/19/2023	Ground Water: Well Avg	5.06	Acre Inches		5.30			mg/L			97	0	0	4,578	
07/19/2023	Waste Water: Lagoon	0.50	Acre Inches	195.00	41.30	185.00		mg/L		217,234	353	75	335	4,705	
08/04/2023	Ground Water: Well Avg	5.19	Acre Inches		5.30			mg/L			100	0	0	4,696	
08/19/2023	Ground Water: Well Avg	5.81	Acre Inches		5.30			mg/L			112	0	0	5,257	
08/19/2023	Waste Water: Lagoon	0.55	Acre Inches	195.00	41.30	185.00		mg/L		238,958	388	82	368	5,175	
08/29/2023	Ground Water: Well Avg	5.13	Acre Inches		5.30			mg/L			98	0	0	4,642	
09/12/2023	Harvest	29.30	Tons	66.50	0.77	0.24	1.08	%						2,419	
Acre Inches Applied:		27.74		Totals:					80	456,192	3,207	864	2,364	34,029	2,419
Season Nitrogen Ratio:		1.33		Lbs Per Acre:						200	54	148	2,127	151	



G & A Dairy 2023

Nutrient Applications (Attachment B)

Summary of Nutrient Applications, Removal, and Balance

	<u>Total N (Lbs)</u>	<u>Total P (Lbs)</u>	<u>Total K (Lbs)</u>	<u>Total Salts (Lbs)</u>	<u>Total Manure Applied</u>	
Solid Manure	41,625.39	14,334.53	43,416.98	0.00	1,678.00	tons
Process Wastewater	37,897.13	6,412.83	33,861.38	340,516.11	16,393,322.45	gallons
Irrigation Water	13,689.59					
Fertilizer / Total Imports	0.00					
Atmospheric Deposition	3,682.00					
Total Nitrogen Applied	96,894.11					
Crop Nitrogen Removal	91,002.02					
Nitrogen Balance	5,892.09					
Nitrogen Ratio	1.06					

- Nutrient applications shown in Attachment B are on a crop year basis.
- Lab sample data results for applications are based on the sample taken closest to the application date. Lab sample data results are shown on 100% dry basis for manure applications and harvest events.
- Well Avg: Irrigation source representing the average nutrient values of all irrigation wells sampled for the facility during the reporting year.
- ** Book Value: No sample data results were available. For manure applications and plant tissue harvests, the calculations were based off book values.



G & A Dairy 2023 Nutrient Applications (Attachment B)

FIELD NITROGEN RATIO Calculation:

"Field Nitrogen Ratio" = "Total Nitrogen Applied to Field" / "Total Nitrogen Extracted from Field at Harvest"

ATMOSHERIC DEPOSITION Applied (Lbs) Calculation:

"Nitrogen Applied (Lbs)" = "14 Lbs (per year) * "Acres Planted"

HARVEST Nitrogen Extraction (Lbs) Calculation:

"Nitrogen Extracted (Lbs)" = ("Yield" (tons per acre) * 2000) * ((100 - "% Moisture") / 100 * "Lab Sample Data Nitrogen Value" / 100) * "Acres Planted"

IRRIGATION Nitrogen and Salts Applied (Lbs) Calculations:

"Nitrogen Applied (Lbs)" = "Lbs Applied per Acre" (see below) * ("Lab Sample Data Nitrogen Value" * 0.000001) * "Acres Planted"

"Salts Applied (Lbs)" = "Lbs Applied per Acre" (see below) * ("Lab Sample Data TDS Value" * 0.000001) * "Acres Planted"

PROCESS WASTEWATER Nitrogen, Phosphorus, Potassium and Salts Applied (Lbs) Calculations:

Nitrogen Applied (Lbs)" = "Lbs Applied per Acre" (see below) * ("Lab Sample Data Nitrogen Value" * 0.000001) * "Acres Planted"

Phosphorus Applied (Lbs)" = "Lbs Applied per Acre" (see below) * ("Lab Sample Data Phosphorus Value" * 0.000001) * "Acres Planted"

Potassium Applied (Lbs)" = "Lbs Applied per Acre" (see below) * ("Lab Sample Data Potassium Value" * 0.000001) * "Acres Planted"

Salt Applied (Lbs)" = "Lbs Applied per Acre" (see below) * ("Lab Sample Data TDS Value" * 0.000001) * "Acres Planted"

SOLID MANURE (Corral, Separator, or Compost) Nitrogen, Phosphorus, Potassium and Salts Applied (Lbs) Calculations:

Nitrogen Applied (Lbs)" = "Lbs Applied per Acre" (see below) * ((100 - "% Moisture")/100 * "Lab Sample Data Nitrogen Value"/100) * "Acres Planted"

Phosphorus Applied (Lbs)" = "Lbs Applied per Acre" (see below) * ((100 - "% Moisture")/100 * "Lab Sample Data Phosphorus Value"/100) * "Acres Planted"

Potassium Applied (Lbs)" = "Lbs Applied per Acre" (see below) * ((100 - "% Moisture")/100 * "Lab Sample Data Potassium Value"/100) * "Acres Planted"

Salt Applied (Lbs)" = "Lbs Applied per Acre" (see below) * ((100 - "% Moisture")/100 * "Lab Sample Data Ash Value"/100) * "Acres Planted"

"Lbs Applied per Acre" Calculations:

If "Application Units" = Tons, Then "Lbs Applied per Acre" = "Application Amount" (per Acre) * 2000

If "Application Units" = Acres Inches, Then "Lbs Applied per Acre" = "Application Amount" (per Acre) * 8.33 *27,154.3

If "Application Units" = Acre Feet, Then Lbs Applied per Acre" = "Application Amount" (per Acre) * 8.33 * 325,851

If "Application Units" = Gallons, Then "Lbs Applied per Acre" = "Application Amount" (per Acre) * 8.33

G & A Dairy 2023

Estimated Manure and Process Wastewater/Nutrients Transferred Off-Site (Attachment C)

A. ESTIMATED TOTAL MANURE TRANSFERRED OFFSITE

Total Manure Exported (tons)*	Total Nitrogen Exported (lbs)**	Total Phosphorus Exported (lbs)**	Total Potassium Exported (lbs)**	Total Salts Exported (lbs)**
23,275	503,739.35	185,732.37	508,300.04	0.00

* The Total Manure (tons) should be calculated as the sum of all manure transferred offsite as reported in all the Manure/Process Wastewater Tracking Manifests for the reporting period.

** Total (N, P, K, Salts) (lbs) = Sum of (N, P, K, Salts) for each manure export event based on (Manure(tons) x 2000lb/ton) x ((100-moisture%)/100) x (N, P, K, and Ash) Concentration (%, dry weight) / 100 using the samples closest in date to the export event.

B. ESTIMATED TOTAL PROCESS WASTEWATER TRANSFERRED OFFSITE

Total Process Wastewater Exported (gal)*	Total Nitrogen Exported (lbs)**	Total Phosphorus Exported (lbs)**	Total Potassium Exported (lbs)**	Total TDS Exported (lbs)**

* The Total Manure (gals) should be calculated as the sum of all manure transferred offsite as reported in all the Manure/Process Wastewater Tracking Manifests for the reporting period.

** Total (Nitrogen, Phosphorus, Potassium, TDS) (lbs) = Sum of (Nitrogen, Phosphorus, Potassium, TDS) for each wastewater export event based on (Process Wastewater(gals) x 8.33lb/gal) x (NO₃-N or TKN, P, K, TDS) x 10-6 using the samples closest in date to the export event.

G & A Dairy 2023

Land Application Area Description Technical Report (Attachment D)

Field Name	Assessor Parcel Number(s)	Acres	Type of Waste Applied
Field #801	x327 x061 xx21 xxxx	56	Manure
Field #803	x328 x040 xx20 xxxx	17	Both
Field #831	x328 x230 xx02 xxxx	65	Process Wastewater
Field #832	x328 x230 xx02 xxxx	31	Both
Field #833	x328 x230 xx02 xxxx	78	Both
Field #803N	x328 x040 xx20 xxxx	5	None
Rodriguez	x328 x040 xx25 xxxx	16	Both
		268	

Production Area APN(s): x328 x230 xx02 xxxx

G & A Dairy 2023

Lab Results Summary (Attachment E)

Process Wastewater

(mg/l/ppm unless noted otherwise)

Sample Date:	TKN	TP	TK	EC (umhos/cm)	NH4N	NO3N	TDS	pH (units)	General Minerals					
									CA	MG	NA	HCO3	CO3	SO4
03/09/2023	373.00	49.10	291.00	3,300	116.00		2,190.00							
06/16/2023	274.00	45.10	321.00	3,600	125.00	0.00	2,390.00	7.80						
07/13/2023	195.00	41.30	185.00	3,920	173.00		2,600.00							
11/09/2023	211.00	49.30	261.00	3,450	206.00		2,290.00							
Averages:	263.25	46.20	264.50	3,568	155.00	0.00	2,367.50	7.80						

Manure - Corral Solids

(Dry Weight Basis)

Sample Date:	TN	TP	TK	Moisture	Ash	CA	MG	NA	S	CL
06/06/2023	1.87	0.68	1.59	34.70					%	
11/09/2023	1.83	0.70	2.40	51.40					%	
Averages:	1.85	0.69	2.00	43.05						

Plant Tissue

(Dry Weight Basis)

Field:	Crop #:	Crop	Sample Date:	TN (lbs/ton)	TP (lbs/ton)	TK (lbs/ton)	Moisture (%)	Ash (%)
Field #801	1	Wheat	05/30/2023	22.80	5.16	18.50	61.90	6.30
Field #801	2	Corn	10/18/2023	20.20	4.18	20.60	64.30	6.63



G & A Dairy 2023 Lab Results Summary (Attachment E)

Plant Tissue

(Dry Weight Basis)

Field:	Crop #:	Crop	Sample Date:	TN (lbs/ton)	TP (lbs/ton)	TK (lbs/ton)	Moisture (%)	Ash (%)
Field #803	1	Wheat	05/08/2023	39.60	6.76	36.20	58.30	7.57
Field #803	2	Corn	09/12/2023	16.38	5.28	25.60	68.90	6.48
Field #831	1	Wheat	05/20/2023	23.20	6.02	39.00	70.00	9.74
Field #831	2	Corn	10/03/2023	14.96	6.06	26.60	72.50	6.27
Field #832	1	Wheat	05/08/2023	36.80	8.96	40.20	65.90	11.10
Field #832	2	Corn	09/12/2023	17.64	5.08	23.80	68.90	6.65
Field #833	1	Wheat	05/23/2023	23.20	7.72	41.80	66.30	11.20
Field #833	2	Corn	10/07/2023	25.60	5.52	19.02	74.40	5.99
Field #803N	1	FALLOW						
Rodriguez	1	Wheat	05/06/2023	34.60	8.70	35.60	64.80	8.43
Rodriguez	2	Corn	09/12/2023	15.40	4.74	21.60	66.50	5.32

Well / Irrigation Water

(mg/l/ppm unless noted otherwise)

	Sample Date:	NO3N	TP	EC (umhos/cm)	NH4N *	TDS	TN	General Minerals						
								CA	MG	NA	HCO3	CO3	SO4	CL
Dairy														

Barn Domestic

Out of service

**G & A Dairy 2023
Lab Results Summary (Attachment E)**

Well / Irrigation Water

(mg/l/ppm unless noted otherwise)

	Sample Date:	NO3N	TP	EC (umhos/cm)	NH4N *	TDS	TN	General Minerals												
								CA	MG	NA	HCO3	CO3	SO4	CL						
Dairy																				
Averages:																				
Domestic																				
Barn Domestic #2	03/08/2023	4.20		303		210.00		24.00	11.00	22.00	140.00	0.00	1.70	10.00						
House Domestic	06/20/2023	3.80		303																
Averages:		4.00		303		210.00		24.00	11.00	22.00	140.00	0.00	1.70	10.00						
Irrigation																				
North Deep Well #2	06/20/2023	5.10		318		240.00		5.10												
South Deep Well #1	07/07/2023	5.50		355		260.00		5.50												
Averages:		5.30		336		250.00		5.30												

* NH4N was non-detectable unless a value is shown



G & A Dairy 2023
Planting and Harvest Information (Attachment F)

Crop #	Crop	Acres Planted	Plant Date	Harvest Date	Estimated Yield (tons)	Tons Harvested	Actual Yield
Field: Field #801							
	1 Wheat	55	11/15/2022	05/30/2023	18.4	1001.0	18.2
	2 Corn	55	06/20/2023	10/18/2023	28.4	1573.0	28.6
Field: Field #803							
	1 Wheat	17	11/27/2022	05/08/2023	20.2	351.9	20.7
	2 Corn	17	06/23/2023	09/12/2023	29.8	499.8	29.4
Field: Field #831							
	1 Wheat	63	11/28/2022	05/20/2023	20.6	1323.0	21.0
	2 Corn	63	06/15/2023	10/03/2023	29.5	1827.0	29.0
Field: Field #832							
	1 Wheat	30	11/28/2022	05/08/2023	20.4	624.0	20.8
	2 Corn	30	06/20/2023	09/12/2023	29.7	897.0	29.9
Field: Field #833							
	1 Wheat	77	11/27/2022	05/23/2023	20.0	1532.3	19.9
	2 Corn	77	06/21/2023	10/07/2023	29.3	2286.9	29.7
Field: Rodriguez							
	1 Wheat	16	11/26/2022	05/06/2023	19.7	307.4	19.2
	2 Corn	16	06/21/2023	09/12/2023	29.8	468.8	29.3

G & A Dairy 2023

Weather Data (Attachment G)

Day	January	February	March	April	May	June	July	August	September	October	November	December
1	None	None	Light	None	None	None	None	None	None	None	None	None
2	Light	None	None	None	None	None	None	None	None	None	None	None
3	None	None	None	None	None	None	None	None	None	None	None	None
4	Light	None	None	None	None	None	None	None	None	None	None	None
5	Heavy	None	Light	None	None	None	None	None	None	None	None	None
6	Light	None	Light	None	None	None	None	None	None	None	None	None
7	None	None	None	None	None	None	None	None	None	None	None	None
8	None	None	None	None	None	None	None	None	None	None	None	None
9	Light	None	Light	None	None	None	None	None	None	None	None	None
10	Light	None	Light	None	None	None	None	None	None	None	None	None
11	None	None	None	None	None	None	None	None	None	None	None	None
12	SWP	None	None	None	None	None	None	None	None	None	None	None
13	Light	None	None	None	None	None	None	None	None	None	None	None
14	SWP	None	None	None	None	None	None	None	None	None	None	None
15	Light	None	Heavy	None	None	None	None	None	None	None	None	None
16	Light	None	None	None	None	None	None	None	None	None	None	None
17	None	None	None	None	None	None	None	None	None	None	None	None
18	None	None	None	None	None	None	None	None	None	None	None	None
19	None	None	Heavy	None	None	None	None	None	None	None	None	Light
20	None	None	None	None	None	None	None	None	None	None	None	SWP
21	None	None	Heavy	None	None	None	None	None	None	None	None	None
22	None	None	Light	None	None	None	None	None	None	None	None	None
23	None	None	None	None	None	None	None	None	None	None	None	None
24	None	SWP	None	None	None	None	None	None	None	None	None	None
25	None	SWP	None	None	None	None	None	None	None	None	None	None
26	None	None	None	None	None	None	None	None	None	None	None	None
27	None	Light	None	None	None	None	None	None	None	None	None	None
28	None	None	Light	None	None	None	None	None	None	None	None	None
29	Light		None	None	None	None	None	None	None	None	None	Light
30	None		None	None	None	None	None	None	None	None	None	SWP
31	None		None		None		None	None		None		None

*Note: SWP = Standing Water Present



Manure/Process Wastewater Tracking Manifest

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-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: Gerrit Roeloffs

Name of Dairy Facility: G & A Dairy

Facility Address:	<u>2200 S. Marks Avenue</u>	<u>Fresno</u>	<u>93706</u>
	Number and Street	City	Zip Code

Contact Person Name and Phone Number:	<u>Gerrit Roeloffs</u>	<u>(559) 280-8053</u>
	Name	Phone Number

Manure/Process Wastewater Hauler Information:

Name of Hauling Company/Person: Larry Burrows Trucking & Spreading

Address of Hauling Company /Person:	<u>11751 W. Jensen Ave.</u>	<u>Kerman</u>	<u>93630</u>
	Number and Street	City	Zip Code

Contact Person:	<u>Judy Burrows</u>	<u>(559) 846-9671</u>
	Name	Phone Number

Destination Information:

Composting Facility / Broker / Farmer / Other (identify) _____ (please circle one)

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

<u>Name</u>	<u>Number and Street</u>	<u>City</u>	<u>Zip Code</u>	<u>Phone Number</u>
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Manure/Process Wastewater Destination Address or Assessor's Parcel Number:

<u>Number and Street</u>	<u>City</u>	<u>Zip Code</u>	<u>Assessor's Parcel Number</u>
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Dates Hauled: 4/6/23



Innovative Ag Services, LLC
 1201 Delta View Road, Suite 5 Hanford, CA 93230
 Office (559) 587-2800 Fax (559) 587-2801

Amount Hauled:

Enter the amount of manure hauled in tons or cubic yards (indicate the units used), the manure solids content (if amount reported in tons) or manure density (if amount reported in cubic yards), and the method used to calculate the amount:

Manure: 1250 **Tons** or Cubic Yards (indicate which units used)

Manure Solids Content (if amount reported in tons): 65.3% Corral

Manure Density (if amount reported in cubic yards): _____

Method used to determine amount of manure: _____

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

Process Wastewater: _____ Gallons

Method used to determine volume of process wastewater: _____

Written Agreement:

Does the Operator have a written agreement (in compliance with Land Application Specification C.2 of Waste Discharge Requirements General Order No. R5-2013-0122) with any party that receives process wastewater from the Operator for its own use? (Please check one)

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 the 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's Signature: Judy Bernows Date: 1-22-24
DocuSigned by: 

Hauler's Signature: D J Rler Date: 6/22/2024
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Innovative Ag Services, LLC
1201 Delta View Road, Suite 5 Hanford, CA 93230
Office (559) 587-2800 Fax (559) 587-2801

Manure/Process Wastewater Tracking Manifest

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-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: Gerrit Roeloffs

Name of Dairy Facility: G & A Dairy

Facility Address: <u>2200 S. Marks Avenue</u>	<u>Fresno</u>	<u>93706</u>
Number and Street	City	Zip Code

Contact Person Name and Phone Number: <u>Gerrit Roeloffs</u>	<u>(559) 280-8053</u>
Name	Phone Number

Manure/Process Wastewater Hauler Information:

Name of Hauling Company/Person: Larry Burrows Trucking & Spreading

Address of Hauling Company /Person: <u>11751 W. Jensen Ave.</u>	<u>Kerman</u>	<u>93630</u>
Number and Street	City	Zip Code

Contact Person: <u>Judy Burrows</u>	<u>(559) 846-9671</u>
Name	Phone Number

Destination Information:

Composting Facility / Broker / Farmer / Other (identify) _____ (please circle one)

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

<u>Name</u>	<u>Number and Street</u>	<u>City</u>	<u>Zip Code</u>	<u>Phone Number</u>
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Manure/Process Wastewater Destination Address or Assessor's Parcel Number:

<u>Fresno</u>	<u>Blythe & Central</u>		
<u>Number and Street</u>	<u>City</u>	<u>Zip Code</u>	<u>Assessor's Parcel Number</u>

Dates Hauled: 4/12/23



Innovative Ag Services, LLC
 1201 Delta View Road, Suite 5 Hanford, CA 93230
 Office (559) 587-2800 Fax (559) 587-2801

Amount Hauled:

Enter the amount of manure hauled in tons or cubic yards (indicate the units used), the manure solids content (if amount reported in tons) or manure density (if amount reported in cubic yards), and the method used to calculate the amount:

Manure: 2450 **Tons** or Cubic Yards (indicate which units used)

Manure Solids Content (if amount reported in tons): 65.3% **Corral**

Manure Density (if amount reported in cubic yards): _____

Method used to determine amount of manure: _____

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

Process Wastewater: _____ Gallons

Method used to determine volume of process wastewater: _____

Written Agreement:

Does the Operator have a written agreement (in compliance with Land Application Specification C.2 of Waste Discharge Requirements General Order No. R5-2013-0122) with any party that receives process wastewater from the Operator for its own use? (Please check one)

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 the 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's Signature: Judy Burrows Date: 1-22-24
DocuSigned by:
Hauler's Signature: Lt RCR Date: 6/22/2024
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Innovative Ag Services, LLC
1201 Delta View Road, Suite 5 Hanford, CA 93230
Office (559) 587-2800 Fax (559) 587-2801

Manure/Process Wastewater Tracking Manifest

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-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: Gerrit Roeloffs

Name of Dairy Facility: G & A Dairy

Facility Address: <u>2200 S. Marks Avenue</u>	<u>Fresno</u>	<u>93706</u>
Number and Street	City	Zip Code

Contact Person Name and Phone Number: <u>Gerrit Roeloffs</u>	<u>(559) 280-8053</u>
Name	Phone Number

Manure/Process Wastewater Hauler Information:

Name of Hauling Company/Person: Larry Burrows Trucking & Spreading

Address of Hauling Company /Person: <u>11751 W. Jensen Ave.</u>	<u>Kerman</u>	<u>93630</u>
Number and Street	City	Zip Code

Contact Person: <u>Judy Burrows</u>	<u>(559) 846-9671</u>
Name	Phone Number

Destination Information:

Composting Facility / Broker / Farmer / Other (identify) _____ (please circle one)

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

<u>Name</u>	<u>Number and Street</u>	<u>City</u>	<u>Zip Code</u>	<u>Phone Number</u>
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Manure/Process Wastewater Destination Address or Assessor's Parcel Number:

<u>Fresno</u>	<u>Church & Hayes</u>		
<u>Number and Street</u>	<u>City</u>	<u>Zip Code</u>	<u>Assessor's Parcel Number</u>

Dates Hauled: 4/18/23



Innovative Ag Services, LLC
 1201 Delta View Road, Suite 5 Hanford, CA 93230
 Office (559) 587-2800 Fax (559) 587-2801

Amount Hauled:

Enter the amount of manure hauled in tons or cubic yards (indicate the units used), the manure solids content (if amount reported in tons) or manure density (if amount reported in cubic yards), and the method used to calculate the amount:

Manure: 1000 Tons or Cubic Yards (indicate which units used)

Manure Solids Content (if amount reported in tons): 65.3% Corral

Manure Density (if amount reported in cubic yards): _____

Method used to determine amount of manure: _____

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

Process Wastewater: _____ Gallons

Method used to determine volume of process wastewater: _____

Written Agreement:

Does the Operator have a written agreement (in compliance with Land Application Specification C.2 of Waste Discharge Requirements General Order No. R5-2013-0122) with any party that receives process wastewater from the Operator for its own use? (Please check one)

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 the 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's Signature: Judy Burnas Date: 1-22-24
Hauler's Signature: Lt. D.L.W. Date: 6/22/2024
DocSigned by:
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Innovative Ag Services, LLC
1201 Delta View Road, Suite 5 Hanford, CA 93230
Office (559) 587-2800 Fax (559) 587-2801

Manure/Process Wastewater Tracking Manifest

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-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: Gerrit Roeloffs

Name of Dairy Facility: G & A Dairy

Facility Address: <u>2200 S. Marks Avenue</u>	<u>Fresno</u>	<u>93706</u>
Number and Street	City	Zip Code

Contact Person Name and Phone Number: <u>Gerrit Roeloffs</u>	<u>(559) 280-8053</u>
Name	Phone Number

Manure/Process Wastewater Hauler Information:

Name of Hauling Company/Person: Larry Burrows Trucking & Spreading

Address of Hauling Company /Person: <u>11751 W. Jensen Ave.</u>	<u>Kerman</u>	<u>93630</u>
Number and Street	City	Zip Code

Contact Person: <u>Judy Burrows</u>	<u>(559) 846-9671</u>
Name	Phone Number

Destination Information:

Composting Facility / Broker / Farmer / Other (identify) _____ (please circle one)

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

<u>Name</u>	<u>Number and Street</u>	<u>City</u>	<u>Zip Code</u>	<u>Phone Number</u>
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Manure/Process Wastewater Destination Address or Assessor's Parcel Number:

<u>Number and Street</u>	<u>City</u>	<u>Zip Code</u>	<u>Hughes & North</u>
			<u>Assessor's Parcel Number</u>

Dates Hauled: 4/18/23



Innovative Ag Services, LLC
1201 Delta View Road, Suite 5 Hanford, CA 93230
Office (559) 587-2800 Fax (559) 587-2801

Amount Hauled:

Enter the amount of manure hauled in tons or cubic yards (indicate the units used), the manure solids content (if amount reported in tons) or manure density (if amount reported in cubic yards), and the method used to calculate the amount:

Manure: 2000 **Tons** or Cubic Yards (indicate which units used)

Manure Solids Content (if amount reported in tons): 65.3% Corral

Manure Density (if amount reported in cubic yards): _____

Method used to determine amount of manure: _____

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

Process Wastewater: _____ Gallons

Method used to determine volume of process wastewater: _____

Written Agreement:

Does the Operator have a written agreement (in compliance with Land Application Specification C.2 of Waste Discharge Requirements General Order No. R5-2013-0122) with any party that receives process wastewater from the Operator for its own use? (Please check one)

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 the 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's Signature: Judy Burness Date: 1-22-24
DocuSigned by:

Hauler's Signature: LJ REX Date: 6/22/2024
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Innovative Ag Services, LLC
1201 Delta View Road, Suite 5 Hanford, CA 93230
Office (559) 587-2800 Fax (559) 587-2801

Manure/Process Wastewater Tracking Manifest

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-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: Gerrit Roeloffs

Name of Dairy Facility: G & A Dairy

Facility Address:	<u>2200 S. Marks Avenue</u>	<u>Fresno</u>	<u>93706</u>
	Number and Street	City	Zip Code

Contact Person Name and Phone Number:	<u>Gerrit Roeloffs</u>	<u>(559) 280-8053</u>
	Name	Phone Number

Manure/Process Wastewater Hauler Information:

Name of Hauling Company/Person: Larry Burrows Trucking & Spreading

Address of Hauling Company /Person:	<u>11751 W. Jensen Ave.</u>	<u>Kerman</u>	<u>93630</u>
	Number and Street	City	Zip Code

Contact Person:	<u>Judy Burrows</u>	<u>(559) 846-9671</u>
	Name	Phone Number

Destination Information:

Composting Facility / Broker / Farmer / Other (identify) _____ (please circle one)

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

<u>Name</u>	<u>Number and Street</u>	<u>City</u>	<u>Zip Code</u>	<u>Phone Number</u>
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<u>Manure/Process Wastewater Destination Address or Assessor's Parcel Number:</u>		<u>Blythe & Lincoln</u>
<u>Number and Street</u>	<u>City</u>	<u>Zip Code</u>
		<u>Assessor's Parcel Number</u>

Dates Hauled: 5/10/23



Innovative Ag Services, LLC
 1201 Delta View Road, Suite 5 Hanford, CA 93230
 Office (559) 587-2800 Fax (559) 587-2801

Amount Hauled:

Enter the amount of manure hauled in tons or cubic yards (indicate the units used), the manure solids content (if amount reported in tons) or manure density (if amount reported in cubic yards), and the method used to calculate the amount:

Manure: 420 Tons or Cubic Yards (indicate which units used)

Manure Solids Content (if amount reported in tons): 65.3% Corral

Manure Density (if amount reported in cubic yards): _____

Method used to determine amount of manure: _____

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

Process Wastewater: _____ Gallons

Method used to determine volume of process wastewater: _____

Written Agreement:

Does the Operator have a written agreement (in compliance with Land Application Specification C.2 of Waste Discharge Requirements General Order No. R5-2013-0122) with any party that receives process wastewater from the Operator for its own use? (Please check one)

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 the 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's Signature: Judy Burrows Date: 1-22-24

Hauler's Signature: Lt REX Date: 6/22/2024
DecuSigned by:
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Innovative Ag Services, LLC
1201 Delta View Road, Suite 5 Hanford, CA 93230
Office (559) 587-2800 Fax (559) 587-2801

Manure/Process Wastewater Tracking Manifest

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-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: Gerrit Roeloffs

Name of Dairy Facility: G & A Dairy

Facility Address:	<u>2200 S. Marks Avenue</u>	<u>Fresno</u>	<u>93706</u>
	Number and Street	City	Zip Code

Contact Person Name and Phone Number:	<u>Gerrit Roeloffs</u>	<u>(559) 280-8053</u>
	Name	Phone Number

Manure/Process Wastewater Hauler Information:

Name of Hauling Company/Person: Larry Burrows Trucking & Spreading

Address of Hauling Company /Person:	<u>11751 W. Jensen Ave.</u>	<u>Kerman</u>	<u>93630</u>
	Number and Street	City	Zip Code

Contact Person:	<u>Judy Burrows</u>	<u>(559) 846-9671</u>
Name		Phone Number

Destination Information:

Composting Facility / Broker / Farmer / Other (identify) _____ (please circle one)

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

<u>Diane Lobbs</u>	<u>9256 S. Valentine Ave</u>	<u>Fresno</u>	<u>93706</u>	
Name	Number and Street	City	Zip Code	Phone Number

Manure/Process Wastewater Destination Address or Assessor's Parcel Number:

<u>Fruit & Lincoln</u>	<u>Fresno</u>	<u>93706</u>	
Number and Street	City	Zip Code	Assessor's Parcel Number

Dates Hauled: 5/23/23

Amount Hauled:

Enter the amount of manure hauled in tons or cubic yards (indicate the units used), the manure solids content (if amount reported in tons) or manure density (if amount reported in cubic yards), and the method used to calculate the amount:

Manure: 1375 Tons or Cubic Yards (indicate which units used)

Manure Solids Content (if amount reported in tons): 65.3%

Manure Density (if amount reported in cubic yards): _____

Method used to determine amount of manure: _____

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

Process Wastewater: _____ Gallons

Method used to determine volume of process wastewater: _____

Written Agreement:

Does the Operator have a written agreement (in compliance with Land Application Specification C.2 of Waste Discharge Requirements General Order No. R5-2013-0122) with any party that receives process wastewater from the Operator for its own use? (Please check one)

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 the 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's Signature: Judy Burnaw S Date: 12-5-23

Hauler's Signature: Lt RLS Date: 6/22/2024



Innovative Ag Services, LLC
1201 Delta View Road, Suite 5 Hanford, CA 93230
Office (559) 587-2800 Fax (559) 587-2801

Manure/Process Wastewater Tracking Manifest

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-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: Gerrit Roeloffs

Name of Dairy Facility: G & A Dairy

Facility Address: <u>2200 S. Marks Avenue</u>	<u>Fresno</u>	<u>93706</u>
Number and Street	City	Zip Code

Contact Person Name and Phone Number: <u>Gerrit Roeloffs</u>	<u>(559) 280-8053</u>
Name	Phone Number

Manure/Process Wastewater Hauler Information:

Name of Hauling Company/Person: Larry Burrows Trucking & Spreading

Address of Hauling Company /Person: <u>11751 W. Jensen Ave.</u>	<u>Kerman</u>	<u>93630</u>
Number and Street	City	Zip Code

Contact Person: <u>Judy Burrows</u>	<u>(559) 846-9671</u>
Name	Phone Number

Destination Information:

Composting Facility / Broker / Farmer / Other (identify) _____ (please circle one)

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

<u>Name</u>	<u>Number and Street</u>	<u>City</u>	<u>Zip Code</u>	<u>Phone Number</u>
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Manure/Process Wastewater Destination Address or Assessor's Parcel Number:

<u>Fresno</u>	<u>North & Cornelius</u>		
<u>Number and Street</u>	<u>City</u>	<u>Zip Code</u>	<u>Assessor's Parcel Number</u>

Dates Hauled: 6/2/23



Innovative Ag Services, LLC
 1201 Delta View Road, Suite 5 Hanford, CA 93230
 Office (559) 587-2800 Fax (559) 587-2801

Amount Hauled:

Enter the amount of manure hauled in tons or cubic yards (indicate the units used), the manure solids content (if amount reported in tons) or manure density (if amount reported in cubic yards), and the method used to calculate the amount:

Manure: 2000 **Tons** or Cubic Yards (indicate which units used)

Manure Solids Content (if amount reported in tons): 65.3% Corral

Manure Density (if amount reported in cubic yards): _____

Method used to determine amount of manure: _____

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

Process Wastewater: _____ Gallons

Method used to determine volume of process wastewater: _____

Written Agreement:

Does the Operator have a written agreement (in compliance with Land Application Specification C.2 of Waste Discharge Requirements General Order No. R5-2013-0122) with any party that receives process wastewater from the Operator for its own use? (Please check one)

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 the 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's Signature: Judy Burrows Date: 1-22-24
Hauler's Signature: Jeff Rees Date: 6/22/2024
DocuSigned by:
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Innovative Ag Services, LLC
1201 Delta View Road, Suite 5 Hanford, CA 93230
Office (559) 587-2800 Fax (559) 587-2801

Manure/Process Wastewater Tracking Manifest

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-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: Gerrit Roeloffs

Name of Dairy Facility: G & A Dairy

Facility Address: <u>2200 S. Marks Avenue</u>	<u>Fresno</u>	<u>93706</u>
Number and Street	City	Zip Code

Contact Person Name and Phone Number: <u>Gerrit Roeloffs</u>	<u>(559) 280-8053</u>
Name	Phone Number

Manure/Process Wastewater Hauler Information:

Name of Hauling Company/Person: Larry Burrows Trucking & Spreading

Address of Hauling Company /Person: <u>11751 W. Jensen Ave.</u>	<u>Kerman</u>	<u>93630</u>
Number and Street	City	Zip Code

Contact Person: <u>Judy Burrows</u>	<u>(559) 846-9671</u>
Name	Phone Number

Destination Information:

Composting Facility / Broker / Farmer / Other (identify) _____ (please circle one)

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

<u>Name</u>	<u>Number and Street</u>	<u>City</u>	<u>Zip Code</u>	<u>Phone Number</u>
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Manure/Process Wastewater Destination Address or Assessor's Parcel Number: <u>Fresno</u>	<u>North & Chateau</u>		
<u>Number and Street</u>	<u>City</u>	<u>Zip Code</u>	<u>Assessor's Parcel Number</u>

Dates Hauled: 6/5/23



Innovative Ag Services, LLC
1201 Delta View Road, Suite 5 Hanford, CA 93230
Office (559) 587-2800 Fax (559) 587-2801

Amount Hauled:

Enter the amount of manure hauled in tons or cubic yards (indicate the units used), the manure solids content (if amount reported in tons) or manure density (if amount reported in cubic yards), and the method used to calculate the amount:

Manure: 780 Tons or Cubic Yards (indicate which units used)

Manure Solids Content (if amount reported in tons): 65.3% Corral

Manure Density (if amount reported in cubic yards): _____

Method used to determine amount of manure: _____

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

Process Wastewater: _____ Gallons

Method used to determine volume of process wastewater: _____

Written Agreement:

Does the Operator have a written agreement (in compliance with Land Application Specification C.2 of Waste Discharge Requirements General Order No. R5-2013-0122) with any party that receives process wastewater from the Operator for its own use? (Please check one)

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 the 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's Signature: Judy Burnas Date: 1-22-24
Hauler's Signature: D. J. Bell DocuSigned by: 6/22/2024
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Innovative Ag Services, LLC
1201 Delta View Road, Suite 5 Hanford, CA 93230
Office (559) 587-2800 Fax (559) 587-2801

Manure/Process Wastewater Tracking Manifest

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-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: Gerrit Roeloffs

Name of Dairy Facility: G & A Dairy

Facility Address: <u>2200 S. Marks Avenue</u>	<u>Fresno</u>	<u>93706</u>
Number and Street	City	Zip Code

Contact Person Name and Phone Number: <u>Gerrit Roeloffs</u>	<u>(559) 280-8053</u>
Name	Phone Number

Manure/Process Wastewater Hauler Information:

Name of Hauling Company/Person: Larry Burrows Trucking & Spreading

Address of Hauling Company /Person: <u>11751 W. Jensen Ave.</u>	<u>Kerman</u>	<u>93630</u>
Number and Street	City	Zip Code

Contact Person: <u>Judy Burrows</u>	<u>(559) 846-9671</u>
Name	Phone Number

Destination Information:

Composting Facility / Broker / Farmer / Other (identify) _____ (please circle one)

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

<u>Name</u>	<u>Number and Street</u>	<u>City</u>	<u>Zip Code</u>	<u>Phone Number</u>
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Manure/Process Wastewater Destination Address or Assessor's Parcel Number:

<u>Fresno</u>	<u>West & Lincoln</u>		
<u>Number and Street</u>	<u>City</u>	<u>Zip Code</u>	<u>Assessor's Parcel Number</u>

Dates Hauled: 6/7/23



Innovative Ag Services, LLC
 1201 Delta View Road, Suite 5 Hanford, CA 93230
 Office (559) 587-2800 Fax (559) 587-2801

Amount Hauled:

Enter the amount of manure hauled in tons or cubic yards (indicate the units used), the manure solids content (if amount reported in tons) or manure density (if amount reported in cubic yards), and the method used to calculate the amount:

Manure: 1250 Tons or Cubic Yards (indicate which units used)

Manure Solids Content (if amount reported in tons): 65.3% Corral

Manure Density (if amount reported in cubic yards): _____

Method used to determine amount of manure: _____

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

Process Wastewater: _____ Gallons

Method used to determine volume of process wastewater: _____

Written Agreement:

Does the Operator have a written agreement (in compliance with Land Application Specification C.2 of Waste Discharge Requirements General Order No. R5-2013-0122) with any party that receives process wastewater from the Operator for its own use? (Please check one)

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 the 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's Signature: Judy Burnard Date: 1-22-24
Hauler's Signature: Lt Rehr Date: 6/22/2024
DocuSigned by:
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Innovative Ag Services, LLC
1201 Delta View Road, Suite 5 Hanford, CA 93230
Office (559) 587-2800 Fax (559) 587-2801

Manure/Process Wastewater Tracking Manifest

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-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: Gerrit Roeloffs

Name of Dairy Facility: G & A Dairy

Facility Address:	<u>2200 S. Marks Avenue</u>	<u>Fresno</u>
	<u>Number and Street</u>	<u>93706</u>
	<u>City</u>	<u>Zip Code</u>

Contact Person Name and Phone Number:	<u>Gerrit Roeloffs</u>	<u>(559) 280-8053</u>
	<u>Name</u>	<u>Phone Number</u>

Manure/Process Wastewater Hauler Information:

Name of Hauling Company/Person: Larry Burrows Trucking & Spreading

Address of Hauling Company /Person:	<u>11751 W. Jensen Ave.</u>	<u>Kerman</u>
	<u>Number and Street</u>	<u>93630</u>
	<u>City</u>	<u>Zip Code</u>

Contact Person:	<u>Judy Burrows</u>	<u>(559) 846-9671</u>
	<u>Name</u>	<u>Phone Number</u>

Destination Information:

Composting Facility / Broker / Farmer / Other (identify) _____ (please circle one)

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

<u>Jim Quist</u>	<u>9256 S. Valentine Ave</u>	<u>Fresno</u>	<u>93706</u>	
<u>Name</u>	<u>Number and Street</u>	<u>City</u>	<u>Zip Code</u>	<u>Phone Number</u>

Manure/Process Wastewater Destination Address or Assessor's Parcel Number:

<u>Church and Hayes</u>	<u>Fresno</u>	<u>93706</u>	
<u>Number and Street</u>	<u>City</u>	<u>Zip Code</u>	<u>Assessor's Parcel Number</u>

Dates Hauled: 7/27/23



Innovative Ag Services, LLC
1201 Delta View Road, Suite 5 Hanford, CA 93230
Office (559) 587-2800 Fax (559) 587-2801

Amount Hauled:

Enter the amount of manure hauled in tons or cubic yards (indicate the units used), the manure solids content (if amount reported in tons) or manure density (if amount reported in cubic yards), and the method used to calculate the amount:

Manure: 1000 **Tons** or Cubic Yards (indicate which units used)

Manure Solids Content (if amount reported in tons): 65.3%

Manure Density (if amount reported in cubic yards): _____

Method used to determine amount of manure: _____

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

Process Wastewater: _____ Gallons

Method used to determine volume of process wastewater: _____

Written Agreement:

Does the Operator have a written agreement (in compliance with Land Application Specification C.2 of Waste Discharge Requirements General Order No. R5-2013-0122) with any party that receives process wastewater from the Operator for its own use? (Please check one)

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 the 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's Signature: Judy Burrows Date: 12-5-23
Hauler's Signature: G. J. DeWitt Date: 6/22/2024
DocuSigned by:
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Innovative Ag Services, LLC
1201 Delta View Road, Suite 5 Hanford, CA 93230
Office (559) 587-2800 Fax (559) 587-2801

Manure/Process Wastewater Tracking Manifest

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-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: Gerrit Roeloffs

Name of Dairy Facility: G & A Dairy

Facility Address: <u>2200 S. Marks Avenue</u>	<u>Fresno</u>	<u>93706</u>
Number and Street	City	Zip Code

Contact Person Name and Phone Number: <u>Gerrit Roeloffs</u>	<u>(559) 280-8053</u>
Name	Phone Number

Manure/Process Wastewater Hauler Information:

Name of Hauling Company/Person: Larry Burrows Trucking & Spreading

Address of Hauling Company /Person: <u>11751 W. Jensen</u>	<u>Kerman</u>	<u>93630</u>
Number and Street	City	Zip Code

Contact Person: <u>Larry Burrows</u>	<u>(559) 846-9671</u>
Name	Phone Number

Destination Information:

Composting Facility / Broker / Farmer / Other (identify) _____ (please circle one)

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

<u>Big D</u>			
Name	Number and Street	City	Zip Code
			Phone Number

Manure/Process Wastewater Destination Address or Assessor's Parcel Number:

<u>Central Chateau Fresno</u>			
Number and Street	City	Zip Code	Assessor's Parcel Number

Dates Hauled: 9/20/23



Innovative Ag Services, LLC
 1201 Delta View Road, Suite 5 Hanford, CA 93230
 Office (559) 587-2800 Fax (559) 587-2801

Amount Hauled:

Enter the amount of manure hauled in tons or cubic yards (indicate the units used), the manure solids content (if amount reported in tons) or manure density (if amount reported in cubic yards), and the method used to calculate the amount:

Manure: 2050 Tons or Cubic Yards (indicate which units used)

Manure Solids Content (if amount reported in tons): 51.4%

Manure Density (if amount reported in cubic yards): _____

Method used to determine amount of manure: _____

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

Process Wastewater: _____ Gallons

Method used to determine volume of process wastewater: _____

Written Agreement:

Does the Operator have a written agreement (in compliance with Land Application Specification C.2 of Waste Discharge Requirements General Order No. R5-2013-0122) with any party that receives process wastewater from the Operator for its own use? (Please check one)

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 the 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's Signature: Judy Burnaw S Date: 12-5-23

Hauler's Signature: Lt Rell Date: 6/22/2024

DocuSigned by:

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Innovative Ag Services, LLC
1201 Delta View Road, Suite 5 Hanford, CA 93230
Office (559) 587-2800 Fax (559) 587-2801

Manure/Process Wastewater Tracking Manifest

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-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: Gerrit Roeloffs

Name of Dairy Facility: G & A Dairy

Facility Address: <u>2200 S. Marks Avenue</u>	<u>Fresno</u>	<u>93706</u>
Number and Street	City	Zip Code

Contact Person Name and Phone Number: <u>Gerrit Roeloffs</u>	<u>(559) 280-8053</u>
Name	Phone Number

Manure/Process Wastewater Hauler Information:

Name of Hauling Company/Person: Larry Burrows Trucking & Spreading

Address of Hauling Company /Person: <u>11751 W. Jensen</u>	<u>Kerman</u>	<u>93630</u>
Number and Street	City	Zip Code

Contact Person: <u>Larry Burrows</u>	<u>(559) 846-9671</u>
Name	Phone Number

Destination Information:

Composting Facility / Broker / Farmer / Other (identify) _____ (please circle one)

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

<u>Big D</u>			
Name	Number and Street	City	Zip Code
			Phone Number

Manure/Process Wastewater Destination Address or Assessor's Parcel Number:

<u>Cornelia & American</u>			
Number and Street	City	Zip Code	Assessor's Parcel Number

Dates Hauled: 9/20/23

Amount Hauled:

Enter the amount of manure hauled in tons or cubic yards (indicate the units used), the manure solids content (if amount reported in tons) or manure density (if amount reported in cubic yards), and the method used to calculate the amount:

Manure: 2500 Tons or Cubic Yards (indicate which units used)

Manure Solids Content (if amount reported in tons): 51.4%

Manure Density (if amount reported in cubic yards): _____

Method used to determine amount of manure: _____

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

Process Wastewater: _____ Gallons

Method used to determine volume of process wastewater: _____

Written Agreement:

Does the Operator have a written agreement (in compliance with Land Application Specification C.2 of Waste Discharge Requirements General Order No. R5-2013-0122) with any party that receives process wastewater from the Operator for its own use? (Please check one)

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 the 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's Signature: Judy Burnaw S Date: 12-5-23

DocuSigned by:

Hauler's Signature: Lt REX Date: 6/22/2024

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Innovative Ag Services, LLC
1201 Delta View Road, Suite 5 Hanford, CA 93230
Office (559) 587-2800 Fax (559) 587-2801

Manure/Process Wastewater Tracking Manifest

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-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: Gerrit Roeloffs

Name of Dairy Facility: G & A Dairy

Facility Address: <u>2200 S. Marks Avenue</u>	<u>Fresno</u>	<u>93706</u>
Number and Street	City	Zip Code

Contact Person Name and Phone Number: <u>Gerrit Roeloffs</u>	<u>(559) 280-8053</u>
Name	Phone Number

Manure/Process Wastewater Hauler Information:

Name of Hauling Company/Person: Larry Burrows Trucking & Spreading

Address of Hauling Company /Person: <u>11751 W. Jensen Ave.</u>	<u>Kerman</u>	<u>93630</u>
Number and Street	City	Zip Code

Contact Person: <u>Judy Burrows</u>	<u>(559) 846-9671</u>
Name	Phone Number

Destination Information:

Composting Facility / Broker / Farmer / Other (identify) _____ (please circle one)

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

<u>Name</u>	<u>Number and Street</u>	<u>City</u>	<u>Zip Code</u>	<u>Phone Number</u>
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<u>Manure/Process Wastewater Destination Address or Assessor's Parcel Number:</u>		<u>Walnut & Lincoln</u>
<u>Number and Street</u>	<u>City</u>	<u>Zip Code</u>
		<u>Assessor's Parcel Number</u>

Dates Hauled: 10/12/23



Innovative Ag Services, LLC
1201 Delta View Road, Suite 5 Hanford, CA 93230
Office (559) 587-2800 Fax (559) 587-2801

Amount Hauled:

Enter the amount of manure hauled in tons or cubic yards (indicate the units used), the manure solids content (if amount reported in tons) or manure density (if amount reported in cubic yards), and the method used to calculate the amount:

Manure: 1300 **Tons** or Cubic Yards (indicate which units used)

Manure Solids Content (if amount reported in tons): 48.6% Corral

Manure Density (if amount reported in cubic yards): _____

Method used to determine amount of manure: _____

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

Process Wastewater: _____ Gallons

Method used to determine volume of process wastewater: _____

Written Agreement:

Does the Operator have a written agreement (in compliance with Land Application Specification C.2 of Waste Discharge Requirements General Order No. R5-2013-0122) with any party that receives process wastewater from the Operator for its own use? (Please check one)

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 the 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's Signature: Judy Burrows Date: 1-22-24

Hauler's Signature: Lt REX Date: 6/22/2024
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Innovative Ag Services, LLC
1201 Delta View Road, Suite 5 Hanford, CA 93230
Office (559) 587-2800 Fax (559) 587-2801

Manure/Process Wastewater Tracking Manifest

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-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: Gerrit Roeloffs

Name of Dairy Facility: G & A Dairy

Facility Address: <u>2200 S. Marks Avenue</u>	<u>Fresno</u>	<u>93706</u>
Number and Street	City	Zip Code

Contact Person Name and Phone Number: <u>Gerrit Roeloffs</u>	<u>(559) 280-8053</u>
Name	Phone Number

Manure/Process Wastewater Hauler Information:

Name of Hauling Company/Person: Larry Burrows Trucking & Spreading

Address of Hauling Company /Person: <u>11751 W. Jensen</u>	<u>Kerman</u>	<u>93630</u>
Number and Street	City	Zip Code

Contact Person: <u>Larry Burrows</u>	<u>(559) 846-9671</u>
Name	Phone Number

Destination Information:

Composting Facility / Broker / Farmer / Other (identify) _____ (please circle one)

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

Americo Folio	Name	Number and Street	City	Zip Code	Phone Number
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Manure/Process Wastewater Destination Address or Assessor's Parcel Number:

<u>Jensen & Rolinda</u>	Number and Street	City	Zip Code	Assessor's Parcel Number
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Dates Hauled: 10/23/23



Innovative Ag Services, LLC
 1201 Delta View Road, Suite 5 Hanford, CA 93230
 Office (559) 587-2800 Fax (559) 587-2801

Amount Hauled:

Enter the amount of manure hauled in tons or cubic yards (indicate the units used), the manure solids content (if amount reported in tons) or manure density (if amount reported in cubic yards), and the method used to calculate the amount:

Manure: 1225 Tons or Cubic Yards (indicate which units used)

Manure Solids Content (if amount reported in tons): 51.4%

Manure Density (if amount reported in cubic yards): _____

Method used to determine amount of manure: _____

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

Process Wastewater: _____ Gallons

Method used to determine volume of process wastewater: _____

Written Agreement:

Does the Operator have a written agreement (in compliance with Land Application Specification C.2 of Waste Discharge Requirements General Order No. R5-2013-0122) with any party that receives process wastewater from the Operator for its own use? (Please check one)

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 the 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's Signature: Judy Burnaw S Date: 12-5-23
Hauler's Signature: G J REX Date: 6/22/2024
DocuSigned by:
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Innovative Ag Services, LLC
1201 Delta View Road, Suite 5 Hanford, CA 93230
Office (559) 587-2800 Fax (559) 587-2801

Manure/Process Wastewater Tracking Manifest

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-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: Gerrit Roeloffs

Name of Dairy Facility: G & A Dairy

Facility Address: <u>2200 S. Marks Avenue</u>	<u>Fresno</u>	<u>93706</u>
Number and Street	City	Zip Code

Contact Person Name and Phone Number: <u>Gerrit Roeloffs</u>	<u>(559) 280-8053</u>
Name	Phone Number

Manure/Process Wastewater Hauler Information:

Name of Hauling Company/Person: Larry Burrows Trucking & Spreading

Address of Hauling Company /Person: <u>11751 W. Jensen</u>	<u>Kerman</u>	<u>93630</u>
Number and Street	City	Zip Code

Contact Person: <u>Larry Burrows</u>	<u>(559) 846-9671</u>
Name	Phone Number

Destination Information:

Composting Facility / Broker / Farmer / Other (identify) _____ (please circle one)

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

Name	Number and Street	City	Zip Code	Phone Number
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Manure/Process Wastewater Destination Address or Assessor's Parcel Number:

<u>Number and Street</u>	<u>City</u>	<u>Zip Code</u>	<u>Assessor's Parcel Number</u>
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Dates Hauled: 11/14/23



Innovative Ag Services, LLC
 1201 Delta View Road, Suite 5 Hanford, CA 93230
 Office (559) 587-2800 Fax (559) 587-2801

Amount Hauled:

Enter the amount of manure hauled in tons or cubic yards (indicate the units used), the manure solids content (if amount reported in tons) or manure density (if amount reported in cubic yards), and the method used to calculate the amount:

Manure: 2675 Tons or Cubic Yards (indicate which units used)

Manure Solids Content (if amount reported in tons): 51.4%

Manure Density (if amount reported in cubic yards): _____

Method used to determine amount of manure: _____

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

Process Wastewater: _____ Gallons

Method used to determine volume of process wastewater: _____

Written Agreement:

Does the Operator have a written agreement (in compliance with Land Application Specification C.2 of Waste Discharge Requirements General Order No. R5-2013-0122) with any party that receives process wastewater from the Operator for its own use? (Please check one)

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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Operator's Signature: Judy Burnaw Date: 12-5-23

Hauler's Signature: Lt RLR Date: 6/22/2024

DocuSigned by:
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Innovative Ag Services, LLC
1201 Delta View Road, Suite 5 Hanford, CA 93230
Office (559) 587-2800 Fax (559) 587-2801



March 21, 2023

Lab No. : VI 2341451**Customer No.** : 4018573**Reference** : 40212

Innovative Ag Services, LLC
1201 Delta View Road Suite 5
Hanford, CA 93230

Laboratory Report

Introduction: This report package contains a total of 4 pages divided into 3 sections:

- | | | |
|-----------------|-----------|---|
| Case Narrative | (1 page) | : An overview of the work performed at FGL. |
| Sample Results | (1 page) | : Results for each sample submitted. |
| Quality Control | (2 pages) | : Supporting Quality Control (QC) results. |

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab No.	Matrix
Barn Domestic #2	03/08/2023	03/08/2023	VI 2341451-001	DW

Sampling and Receipt Information:

The Sample was received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. The Sample was received, prepared and analyzed within the method specified holding times. All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the associated Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to established quality control criteria. Any exceptions are noted in the Quality Control Section of this report.

Test Summary

EPA 200.7	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
EPA 300.0	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 2540 C	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 4500-H+B	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)

Certification: I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above and in the QC Section. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature. This report shall not be reproduced except in full, without the written approval of the laboratory.

KD: JRD

Approved By **Kelly A. Dunnahoo, B.S.**  Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2023-03-21



March 21, 2023

Innovative Ag Services, LLC
 1201 Delta View Road Suite 5
 Hanford, CA 93230

Description : Barn Domestic #2
 Project : 0139 G & A Dairy

Lab No. : VI 2341451-001
 Customer No. : 4018573
 Reference : 40212
 Sampled On : March 8, 2023 at 10:30
 Sampled By : Sean
 Received On : March 8, 2023 at 16:20
 Matrix : Drinking Water

Sample Results - Inorganic

Constituent	Result	RL	Units	MCL/AL	Dil.	DQF	Sample Preparation			Sample Analysis				
							Date	Time	Who	Method	Date	Time	Who	
Dairy Analysis														
Alkalinity (as CaCO ₃)	120	10	mg/L			1	03/12/2023	21:45	amm	SM 4500-H+B	03/13/2023	05:55	amm	
Bicarbonate	140	10	mg/L			1	03/12/2023	21:45	amm	SM 4500-H+B	03/13/2023	05:55	amm	
Carbonate	ND	10	mg/L			1	U	03/12/2023	21:45	amm	SM 4500-H+B	03/13/2023	05:55	amm
Hydroxide	ND	10	mg/L			1	U	03/12/2023	21:45	amm	SM 4500-H+B	03/13/2023	05:55	amm
Chloride	10	1	mg/L	500 ²		1	b	03/09/2023	10:46	ldm	EPA 300.0	03/09/2023	19:39	krh
Nitrate Nitrogen	4.2	0.1	mg/L	10		1		03/09/2023	10:46	ldm	EPA 300.0	03/09/2023	19:39	krh
Conductivity	303	1	umhos/cm	1600 ²		1		03/12/2023	21:45	amm	SM 4500-H+B	03/13/2023	05:55	amm
Sulfate Sulfur	1.70	0.17	mg/L			1		03/09/2023	10:46	ldm	EPA 300.0	03/09/2023	19:39	krh
Solids, Total Dissolved (TDS)	210	20	mg/L	1000 ²		1		03/13/2023	10:25	ctl	SM 2540 C	03/14/2023	11:00	ctl
Calcium	24	1	mg/L			1		03/14/2023	06:05	ejc	EPA 200.7	03/15/2023	12:32	ac
Magnesium	11	1	mg/L			1		03/14/2023	06:05	ejc	EPA 200.7	03/15/2023	12:32	ac
Potassium	3	1	mg/L			1		03/14/2023	06:05	ejc	EPA 200.7	03/15/2023	12:32	ac
Sodium	22	1	mg/L			1		03/14/2023	06:05	ejc	EPA 200.7	03/15/2023	12:32	ac

DQF Flags Definition:

U Constituent results were non-detect.

b The Blank was positive for constituent but less than the PQL

ND=Non-Detected, RL=Reporting Level , Dil.=Dilution

MCL = Maximum Contamination Level. 2 - Secondary Standard. 3 - CDPH Notification Level. AL = Regulatory Action Level.



March 21, 2023

Innovative Ag Services, LLC

Lab No. : VI 2341451
 Customer No. : 4018573

Quality Control - Metals

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Calcium	200.7	03/14/2023:202776EJC	Blank	mg/L		ND	<1	
		(CC 2380755-001)	LCS	mg/L	12.00	109 %	85-115	
			MS	mg/L	12.00	110 %	75-125	
			MSD	mg/L	12.00	117 %	75-125	
		(SP 2303496-001)	MSRPD	mg/L	0.8000	2.1%	≤20.0	
			MS	mg/L	12.00	108 %	75-125	
			MSD	mg/L	12.00	49.9 %	<¼	
			MSRPD	mg/L	0.8000	5.6%	≤20.0	
Magnesium	200.7	03/14/2023:202776EJC	Blank	mg/L		ND	<1	
		(CC 2380755-001)	LCS	mg/L	12.00	107 %	85-115	
			MS	mg/L	12.00	103 %	75-125	
			MSD	mg/L	12.00	116 %	75-125	
		(SP 2303496-001)	MSRPD	mg/L	0.8000	1.6%	≤20	
			MS	mg/L	12.00	111 %	75-125	
			MSD	mg/L	12.00	90.9 %	75-125	
			MSRPD	mg/L	0.8000	5.7%	≤20	
Potassium	200.7	03/14/2023:202776EJC	Blank	mg/L		ND	<1	
		(CC 2380755-001)	LCS	mg/L	12.00	96.3 %	85-115	
			MS	mg/L	12.00	102 %	75-125	
			MSD	mg/L	12.00	105 %	75-125	
		(SP 2303496-001)	MSRPD	mg/L	0.8000	2.7%	≤20.0	
			MS	mg/L	12.00	111 %	75-125	
			MSD	mg/L	12.00	100 %	75-125	
			MSRPD	mg/L	0.8000	7.5%	≤20.0	
Sodium	200.7	03/14/2023:202776EJC	Blank	mg/L		ND	<1	
		(CC 2380755-001)	LCS	mg/L	12.00	103 %	85-115	
			MS	mg/L	12.00	109 %	75-125	
			MSD	mg/L	12.00	113 %	75-125	
		(SP 2303496-001)	MSRPD	mg/L	0.8000	2.0%	≤20.0	
			MS	mg/L	12.00	98.3 %	75-125	
			MSD	mg/L	12.00	21.5 %	<¼	
			MSRPD	mg/L	0.8000	5.5%	≤20.0	

Definition

- <¼ : High Sample Background - Spike concentration was less than one forth of the sample concentration.
- Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
- DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.
- LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
- MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
- MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.
- MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
- ND : Non-detect - Result was below the DQO listed for the analyte.

March 21, 2023
Innovative Ag Services, LLC

Lab No. : VI 2341451
Customer No. : 4018573

Quality Control - Wet Chem

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Alkalinity (as CaCO3)	2320B	03/12/2023:202678AMM	ND	mg/L		0.2%	10	
Bicarbonate	2320B	(VI 2341470-001)	Dup	mg/L		0.1%	10	
E. C.	2320B	(VI 2341470-001)	Dup	umhos/cm		0.3%	5	
Solids, Total Dissolved	2540CE	03/13/2023:202703CTL	Blank	mg/L		ND	<20	
			LCS	mg/L	993.3	101%	90-110	
		(SP 2303453-004)	Dup	mg/L		0.4%	5	
		(SP 2303453-004)	Dup	mg/L		2.24%	5	
Chloride	300.0	03/09/2023:202645LDM	Blank	mg/L		1	<1	
			LCS	mg/L	25.00	98.0 %	90-110	
		(SP 2303307-001)	MS	mg/L	50.00	98.8 %	85-121	
			MSD	mg/L	50.00	92.7 %	85-121	
			MSRPD	mg/L	10.00	5.4%	≤19	
		(SP 2303158-001)	MS	mg/L	50.00	93.6 %	85-121	
			MSD	mg/L	50.00	91.4 %	85-121	
			MSRPD	mg/L	10.00	1.5%	≤19	
Nitrate Nitrogen	300.0	03/09/2023:202645LDM	Blank	mg/L		ND	<0.4	
			LCS	mg/L	20.00	98.2 %	90-110	
		(SP 2303307-001)	MS	mg/L	40.00	102 %	85-119	
			MSD	mg/L	40.00	95.7 %	85-119	
			MSRPD	mg/L	10.00	5.9%	≤19	
		(SP 2303158-001)	MS	mg/L	40.00	102 %	85-119	
			MSD	mg/L	40.00	99.4 %	85-119	
			MSRPD	mg/L	10.00	2.3%	≤19	
Sulfate Sulfur	300.0	03/09/2023:202645LDM	Blank	mg/L		ND	<0.5	
			LCS	mg/L	50.00	97.9 %	90-110	
		(SP 2303307-001)	MS	mg/L	100.0	98.0 %	82-124	
			MSD	mg/L	100.0	92.2 %	82-124	
			MSRPD	mg/L	10.00	5.0%	≤23	
		(SP 2303158-001)	MS	mg/L	100.0	96.4 %	82-124	
			MSD	mg/L	100.0	94.3 %	82-124	
			MSRPD	mg/L	10.00	1.6%	≤23	

Definition

- Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
- Dup : Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.
- LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
- MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
- MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
- MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
- ND : Non-detect - Result was below the DQO listed for the analyte.

**Laboratory Analysis Work Order**

Nº 40212

ID: # 0139

2341451

LABORATORY: F6L

SITE NAME: GIA Dairy

Billing:

JBS

ANALYSIS TO BE COMPLETED:**Irrigation/Ground Water (ELAP Standards)**W1 EC, NO₃N (Dom)W2 EC, NO₃N, TDS, TN (Irr)W3 NH₄-N (Ammonium)W4 EC, NO₃N, Ca, Mg, Na, K, HCO₃, CO₃, SO₄S, Cl, TDS (Dom, GM)W5 EC, NO₃N, TDS, TN, Ca, Mg, Na, HCO₃, CO₃, SO₄S, Cl (Irr, GM)W6 NO₃N, NO₂ (Dom ILRP, Annually)W7 Ca, Mg, Na, K, HCO₃, CO₃, SO₄, Cl + Lab Filtering (GWM)

W8 Other: _____

01/15/24

Plant TissueP1 TN, NO₃N, PO₄P, K (Mid Season - Wheat)

P2 TN, P, K (Mid-season - Corn)

P3 TN, TP, TK, Ash, %M (At Harvest)

P4 TN, %M

P5 % Moisture

P6 NIR

P7 Other: _____

Sample ID	Description	Analysis	Date/Time	Sampled by	IAS USE ONLY: FIELD TESTS		
					NH ₃ N *	pH	Temp
1	BARN Domestic H2O Dom	W4	3/8/23 10:30	SEAN	0		
2							
3							
4							
5							
6							
7							
8							

* Field Test of ammonium nitrogen may only be made by a trained technician. Positive test to be analyzed for ammonium nitrogen by the laboratory.

All samples are to follow the procedures noted in the Sampling & Analysis Plan of the NMP and the RWQCB specifications. Any samples taken outside of these procedures shall provide the procedures on the notes below. Additionally, if any preservatives are used in the collections or processing of samples, please note below.

NOTES: _____

CHAIN OF CUSTODY RECORDING

	Signature	Company	Received Date & Time	Relinquished Date & Time
1 st	JBS	JBS	3/8/23 10:30	3/8/23 10:45
2 nd	EMA	F6L	3/8/23 16:05	3/8/23 16:20
3 rd	EMA	F6L	3/8/23 16:20	3/8/23 16:20
4 th				

LABORATORY USE ONLY

Logged In By: _____

Total Samples: 10/80

Laboratory #: 130

GLS ML 3/9/23 1220



July 7, 2023

Lab No. : VI 2343910**Customer No.** : 4018573**Reference** : 40946

Innovative Ag Services, LLC
1201 Delta View Road Suite 5
Hanford, CA 93230

Laboratory Report

Introduction: This report package contains a total of 4 pages divided into 3 sections:

- | | | |
|-----------------|-----------|---|
| Case Narrative | (1 page) | : An overview of the work performed at FGL. |
| Sample Results | (2 pages) | : Results for each sample submitted. |
| Quality Control | (1 page) | : Supporting Quality Control (QC) results. |

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab No.	Matrix
N Deep Well 2	06/20/2023	06/20/2023	VI 2343910-001	AGW
House Domestic	06/20/2023	06/20/2023	VI 2343910-002	DW

Sampling and Receipt Information:

All samples were received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. All samples were received, prepared and analyzed within the method specified holding times. All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the associated Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to established quality control criteria. Any exceptions are noted in the Quality Control Section of this report.

Test Summary

EPA 351.2	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 2540 C	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 4500-H+B	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 4500-NO3 F	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)

Certification: I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above and in the QC Section. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature. This report shall not be reproduced except in full, without the written approval of the laboratory.

KD: EHB

Approved By **Kelly A. Dunnahoo, B.S.**  Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2023-07-10

Section: Case Narrative

Page 1 of 4

Page 1 of 4

Corporate Offices & Laboratory 855 Corporation Street Santa Paula, CA 93060 TEL: (805)392-2000 Env FAX: (805)525-4172 / Ag FAX: (805)392-2063 CA ELAP Certification No. 1573	Office & Laboratory 2500 Stagecoach Road Stockton, CA 95215 TEL: (209)942-0182 FAX: (209)942-0423	Office & Laboratory 563 E. Linda Avenue Chico, CA 95926 TEL: (530)343-5818 FAX: (530)343-3807	Office & Laboratory 3442 Empress Drive, Suite D San Luis Obispo, CA 93401 TEL: (805)783-2940 FAX: (805)783-2912	Office & Laboratory 9415 W. Goshen Avenue Visalia, CA 93291 TEL: (559)734-9473 FAX: (559)734-8435
	CA ELAP Certification No. 1563	CA ELAP Certification No. 2670	CA ELAP Certification No. 2775	CA ELAP Certification No. 2810



July 7, 2023

Innovative Ag Services, LLC
 1201 Delta View Road Suite 5
 Hanford, CA 93230

Description : N Deep Well 2
 Project : 0139 G & A Dairy

Lab No. : VI 2343910-001
 Customer No. : 4018573
 Reference : 40946
 Sampled On : June 20, 2023 at 11:50
 Sampled By : Henry
 Received On : June 20, 2023 at 15:52
 Matrix : Ag Water

Sample Results - Inorganic

Constituent	Result	RL	Units	Note	Dil.	DQF	Sample Preparation			Sample Analysis			
							Date	Time	Who	Method	Date	Time	Who
Dairy Analysis													
Nitrogen, Total Kjeldahl	ND	0.5	mg/L		1	U	06/27/2023	18:10	lcr	EPA 351.2	06/28/2023	16:22	lcr
Nitrate Nitrogen	5.1	0.4	mg/L		1		06/21/2023	12:45	lfs	SM 4500-NO3 F	06/21/2023	13:36	lfs
Nitrogen, Total as Nitrogen	5.1	0.5	mg/L		1		06/27/2023	18:10	lcr	Calc.	06/28/2023	16:22	lcr
Nitrate + Nitrite as N	5.1	0.4	mg/L		1		06/21/2023	12:45	lfs	SM 4500-NO3 F	06/21/2023	13:36	lfs
Kjeldahl Nitrogen	ND	0.5	mg/L		1	U	06/27/2023	18:10	lcr	EPA 351.2	06/28/2023	16:22	lcr
Conductivity	318	1	umhos/cm		1		06/27/2023	21:22	amm	SM 4500-H+B	06/28/2023	06:17	amm
Solids, Total Dissolved (TDS)	240	20	mg/L		1		06/22/2023	13:50	ctl	SM 2540 C	06/23/2023	11:25	ctl

DQF Flags Definition:

U Constituent results were non-detect.

ND=Non-Detected, RL=Reporting Level , Dil.=Dilution



July 7, 2023

Innovative Ag Services, LLC
 1201 Delta View Road Suite 5
 Hanford, CA 93230

Description : House Domestic
 Project : 0139 G & A Dairy

Lab No. : VI 2343910-002
 Customer No. : 4018573
 Reference : 40946
 Sampled On : June 20, 2023 at 12:05
 Sampled By : Henry
 Received On : June 20, 2023 at 15:52
 Matrix : Drinking Water

Sample Results - Inorganic

Constituent	Result	RL	Units	MCL/AL	Dil.	DQF	Sample Preparation			Sample Analysis			
							Date	Time	Who	Method	Date	Time	Who
Dairy Analysis													
Nitrate Nitrogen	3.8	0.4	mg/L	10	1		06/21/2023	12:45	lfs	SM 4500-NO3 F	06/21/2023	13:38	lfs
Conductivity	303	1	umhos/cm	1600 ²	1		07/05/2023	14:10	amm	SM 4500-H+B	07/06/2023	00:56	sta

DQF Flags Definition:

ND=Non-Detected, RL=Reporting Level , Dil.=Dilution

MCL = Maximum Contamination Level. 2 - Secondary Standard. 3 - CDPH Notification Level. AL = Regulatory Action Level.



July 7, 2023

Innovative Ag Services, LLC

Lab No. : VI 2343910
 Customer No. : 4018573

Quality Control - Wet Chem

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
E. C.	2320B	(VI 2343954-001)	Dup	umhos/cm		0.4%	5	
	2320B	(VI 2343910-002)	Dup	umhos/cm		0%	5	
Solids, Total Dissolved	2540CE	06/22/2023:206884CTL	Blank	mg/L	993.7	ND	<20	
		(VI 2343914-001)	LCS	mg/L		98.8%	90-110	
		(VI 2343914-001)	Dup	mg/L		0.6%	5	
		(VI 2343914-001)	Dup	mg/L		1.41%	5	
Nitrogen, Total Kjeldahl	351.2	06/27/2023:207089LCR	Blank	mg/L		ND	<0.5	
			LCS	mg/L	12.00	93.1%	73-124	
			MS	mg/L	12.00	98.9%	54-136	
		(STK2337929-003)	MSD	mg/L	12.00	98.2%	54-136	
			MSRPD	mg/L		0.7%	≤27	
			MS	mg/L	12.00	90.2%	54-136	
		(STK2337929-004)	MSD	mg/L	12.00	89.4%	54-136	
			MSRPD	mg/L		1.0%	≤27	
Nitrate + Nitrite as N	4500NO3F	06/21/2023:206829LFS	Blank	mg/L		ND	<0.4	
			LCS	mg/L	11.22	96.9%	80-120	
		(SP 2310378-001)	MS	mg/L	5.609	91.8%	66-125	
			MSD	mg/L	5.609	91.1%	66-125	
			MSRPD	mg/L		0.3%	≤30.4	
Nitrate Nitrogen	4500NO3F	06/21/2023:206829LFS	Blank	mg/L		ND	<0.4	
			LCS	mg/L	11.22	96.9%	80-120	
		(SP 2310378-001)	MS	mg/L	5.609	91.8%	66-125	
			MSD	mg/L	5.609	91.1%	66-125	
			MSRPD	mg/L		0.3%	≤30.4	

Definition

- Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
- DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.
- Dup : Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.
- LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
- MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
- MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
- MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
- ND : Non-detect - Result was below the DQO listed for the analyte.



Laboratory Analysis Work Order

Nº 40946

ID: #0139

2343910

LABORATORY: ~~FGC~~ FGL

SITE NAME: G+A Dairy

Billing: IAS

ANALYSIS TO BE COMPLETED:
Irrigation/Ground Water (ELAP Standards)
W1 EC, NO₃N (Dom)W2 EC, NO₃N, TDS, TN (Irr)W3 NH₄-N (Ammonium)W4 EC, NO₃N, Ca, Mg, Na, K, HCO₃, CO₃, SO₄S, Cl, TDS (Dom, GM)W5 EC, NO₃N, TDS, TN, Ca, Mg, Na, HCO₃, CO₃, SO₄S, Cl (Irr, GM)W6 NO₃N, NO₂ (Dom ILRP, Annually)W7 Ca, Mg, Na, K, HCO₃, CO₃, SO₄, Cl + Lab Filtering (GWM)

W8 Other: _____

20121.5

Plant Tissue
P1 TN, NO₃N, PO₄P, K (Mid Season - Wheat)

P2 TN, P, K (Mid-season - Corn)

P3 TN, TP, TK, Ash, %M (At Harvest)

P4 TN, %M

P5 % Moisture

P6 NIR

P7 Other: _____

Sample ID	Description	Analysis	Date/Time	Sampled by	IAS USE ONLY: FIELD TESTS		
					NH ₃ N *	pH	Temp
1 N Deep Well 2	IT	W2	11:50 6/20	Henry	—		
2 House Domestic Dom		W1	12:05 6/20	1/	—		
3							
4							
5							
6							
7							
8							

* Field Test of ammonium nitrogen may only be made by a trained technician. Positive test to be analyzed for ammonium nitrogen by the laboratory.

All samples are to follow the procedures noted in the Sampling & Analysis Plan of the NMP and the RWQCB specifications. Any samples taken outside of these procedures shall provide the procedures on the notes below. Additionally, if any preservatives are used in the collections or processing of samples, please note below.

NOTES:

CHAIN OF CUSTODY RECORDING

	Signature	Company	Received Date & Time	Relinquished Date & Time
1 st		IAS		1:00 6/20/23
2 nd		FGL	6/20/23 15:40	
3 rd		FGL		6/20/23 15:52
4 th			6/20/23 15:52	

LABORATORY USE ONLY

Logged In By:

Total Samples:

Laboratory #:

GTS 6/21/23
CDR 1121



July 31, 2023

Lab No. : VI 2344179**Customer No.** : 4018573**Reference** : 40669

Innovative Ag Services, LLC
1201 Delta View Road Suite 5
Hanford, CA 93230

Laboratory Report

Introduction: This report package contains a total of 3 pages divided into 3 sections:

- | | | |
|-----------------|----------|---|
| Case Narrative | (1 page) | : An overview of the work performed at FGL. |
| Sample Results | (1 page) | : Results for each sample submitted. |
| Quality Control | (1 page) | : Supporting Quality Control (QC) results. |

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab No.	Matrix
S. Deep Well 1	07/07/2023	07/07/2023	VI 2344179-001	AGW

Sampling and Receipt Information:

The Sample was received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. The Sample was received, prepared and analyzed within the method specified holding times. All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the associated Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to established quality control criteria. Any exceptions are noted in the Quality Control Section of this report.

Test Summary

EPA 351.2	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 2540 C	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 4500-H+B	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 4500-NO3 F	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)

Certification: I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above and in the QC Section. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature. This report shall not be reproduced except in full, without the written approval of the laboratory.

KD: EHB

Approved By **Kelly A. Dunnahoo, B.S.**

Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2023-08-01

Section: Case Narrative

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July 31, 2023

Innovative Ag Services, LLC
 1201 Delta View Road Suite 5
 Hanford, CA 93230

Description : S. Deep Well 1
 Project : 0139 G & A Dairy

Lab No. : VI 2344179-001
 Customer No. : 4018573
 Reference : 40669
 Sampled On : July 7, 2023 at 10:55
 Sampled By : Henry
 Received On : July 7, 2023 at 15:34
 Matrix : Ag Water

Sample Results - Inorganic

Constituent	Result	RL	Units	Note	Dil.	DQF	Sample Preparation			Sample Analysis			
							Date	Time	Who	Method	Date	Time	Who
Dairy Analysis													
Nitrogen, Total Kjeldahl	ND	0.5	mg/L		1	U	07/25/2023	10:41	sta	EPA 351.2	07/27/2023	18:12	lcr
Nitrate Nitrogen	5.5	0.4	mg/L		1		07/18/2023	12:30	lfs	SM 4500-NO3 F	07/18/2023	13:24	lfs
Nitrogen, Total as Nitrogen	5.5	0.5	mg/L		1		07/25/2023	10:41	sta	Calc.	07/27/2023	18:12	lcr
Nitrate + Nitrite as N	5.5	0.4	mg/L		1		07/18/2023	12:30	lfs	SM 4500-NO3 F	07/18/2023	13:24	lfs
Kjeldahl Nitrogen	ND	0.5	mg/L		1	U	07/25/2023	10:41	sta	EPA 351.2	07/27/2023	18:12	lcr
Conductivity	355	1	umhos/cm		1		07/12/2023	14:47	amm	SM 4500-H+B	07/12/2023	19:19	amm
Solids, Total Dissolved (TDS)	260	20	mg/L		1	I	07/11/2023	10:45	ctl	SM 2540 C	07/12/2023	12:00	ctl

DQF Flags Definition:

U Constituent results were non-detect.

I The RPD for the laboratory duplicate exceeded laboratory criteria.

ND=Non-Detected, RL=Reporting Level , Dil.=Dilution



July 31, 2023
Innovative Ag Services, LLC

Lab No. : VI 2344179
Customer No. : 4018573

Quality Control - Wet Chem

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
E. C.	2320B	(VI 2344170-001)	Dup	umhos/cm		0.2%	5	
Solids, Total Dissolved	2540CE	07/11/2023:207527CTL (VI 2344180-001) (VI 2344180-001)	Blank LCS Dup Dup	mg/L mg/L mg/L mg/L	993.7	ND 98.8% 7.98% 0.1%	<20 90-110 5 5	440
Nitrogen, Total Kjeldahl	351.2	07/25/2023:208151STA (SP 2311637-003) (STK2338896-004)	Blank LCS MS MSDP MS MSDP	mg/L mg/L mg/L mg/L mg/L mg/L	12.00 12.00 12.00 7.4% 12.00 12.00	ND 95.3% 87.7% 76.6% 92.5% 93.2%	<0.5 73-124 54-136 54-136 54-136 54-136	
Nitrate + Nitrite as N	4500NO3F	07/18/2023:207837LFS (VI 2344801-002)	Blank LCS MS MSDP	mg/L mg/L mg/L mg/L	11.22 5.609 5.609	ND 98.6% 97.5% 98.9% 1.5%	<0.4 80-120 66-125 66-125 ≤30.4	
Nitrate Nitrogen	4500NO3F	07/18/2023:207837LFS (VI 2344801-002)	Blank LCS MS MSDP	mg/L mg/L mg/L mg/L	11.22 5.609 5.609	ND 98.6% 97.5% 98.9% 1.5%	<0.4 80-120 66-125 66-125 ≤30.4	

Definition

- Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
- DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.
- Dup : Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.
- LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
- MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
- MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
- MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
- ND : Non-detect - Result was below the DQO listed for the analyte.

Explanation

- 440 : Sample nonhomogeneity may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.



Laboratory Analysis Work Order

Nº 40669

ID: # 0139

SITE NAME: G+A Dairy

Billing: IAS

234179 LABORATORY: FGL

Authorized Copy Release to:

Innovative Ag Services LLC

(559) 587-2800

ANALYSIS TO BE COMPLETED:

Irrigation/Ground Water (ELAP Standards)

W1 EC, NO₃N (Dom)W2 EC, NO₃N, TDS, TN (Irr)W3 NH₄-N (Ammonium)W4 EC, NO₃N, Ca, Mg, Na, K, HCO₃, CO₃, SO₄S, Cl, TDS (Dom, GM)W5 EC, NO₃N, TDS, TN, Ca, Mg, Na, HCO₃, CO₃, SO₄S, Cl (Irr, GM)W6 NO₃N, NO₂ (Dom ILRP, Annually)W7 Ca, Mg, Na, K, HCO₃, CO₃, SO₄, Cl + Lab Filtering (GWM)

W8 Other: _____

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Plant Tissue

P1 TN, NO₃N, PO₄P, K (Mid Season - Wheat)

P2 TN, P, K (Mid-season - Corn)

P3 TN, TP, TK, Ash, %M (At Harvest)

P4 TN, %M

P5 % Moisture

P6 NIR

P7 Other: _____

Sample ID	Description	Analysis	Date/Time	Sampled by	IAS USE ONLY: FIELD TESTS		
					NH ₃ N*	pH	Temp
1 S.Deep Well 1	Irc	W2	10:55 7/7	Henry	—		
2							
3							
4							
5							
6							
7							
8							

* Field Test of ammonium nitrogen may only be made by a trained technician. Positive test to be analyzed for ammonium nitrogen by the laboratory.

All samples are to follow the procedures noted in the Sampling & Analysis Plan of the NMP and the RWQCB specifications. Any samples taken outside of these procedures shall provide the procedures on the notes below. Additionally, if any preservatives are used in the collections or processing of samples, please note below.

NOTES:

GUS 7/7 1330

CHAIN OF CUSTODY RECORDING

Signature	Company	Received Date & Time	Relinquished Date & Time
1st [Signature]	IAS		2:00 7/7/23
2nd AJB	FGL	7/7/23 1520	
3rd AJB	FGL		7/7/23 1534
4th ADH		7/7/23 1534	

LABORATORY USE ONLY

Logged In By: GJ

Total Samples: 11/23 170

Laboratory #: _____