



Double J Feedlot

2023 Annual Report

<input checked="" type="checkbox"/> Report Form	<input type="checkbox"/> NA Attachment H
<input checked="" type="checkbox"/> Attachment A	<input type="checkbox"/> NA Attachment I
<input checked="" type="checkbox"/> Attachment B	<input type="checkbox"/> NA Attachment J
<input checked="" type="checkbox"/> Attachment C	<input type="checkbox"/> NA Manure Tracking Manifests
<input checked="" type="checkbox"/> Attachment D	<input type="checkbox"/> NA 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 type="checkbox"/> NA Monitoring Well Report
<input checked="" type="checkbox"/> Attachment G	<input type="checkbox"/> NA 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

Double J Feedlot 2023

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

Facility Information:

Name of Dairy	Double J Feedlot
Facility Address	6141 Avenue 184, Tulare CA 93274

Owner/Operator as of 12/31/2023

Operator Name	Jay te Velde
Operator Phone	(559) 651-0464
Owner Name	Jay te Velde
Owner Phone	(559) 651-0464

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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CENTRAL VALLEY REGION**

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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CENTRAL VALLEY REGION**

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."

Same as owner

Signature of Operator of Facility

Jay te Velde

Print Name

6/26/2024

Title and Date

DocuSigned by:

Jay te Velde

B9118D7755B44CE

Signature of Owner of Facility

Jay te Velde

Print Name

6/26/2024

Title and Date



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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 Heifers(15-24)	450	438	Flushed	1,000	4,572.07	60,750.60	9,592.20	28,776.60	112,804.27
Hol Heifers (7-14)	25	24	Flushed	750	230.81	2,277.60	385.44	1,314.00	2,897.37
Hol Calves (4-6)	980	955	Flushed	300	3,311.46	48,800.50	13,943.00	27,886.00	22,866.52
	1,455	1,417			8,114.35	111,828.70	23,920.64	57,976.60	138,568.16

* 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)**
4,105,730	188.25	3.57	81.22	428.75	6,438.29	122.02	2,777.95	14,663.56

* 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).

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Nutrient Applications (Attachment B)

Field Name: 1

Wheat, 54 Acres Planted on 11/22/2022

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)		
				% Moist.	Nitrogen	Phos.	Potass.									
10/13/2022	Corral Solids: Main Corral	10.00	Tons	58.90	1.73	0.91	4.28	%	540	7,679	4,039	18,998	0			
10/19/2022	Surface Water: Lower Tule	4.20	Acre Inches		0.00			mg/L		0	0	0	2,565			
01/01/2023	Atmospheric Deposit	14.00	Pounds		100.00			%		756						
03/01/2023	Surface Water: Lower Tule	4.20	Acre Inches		0.00			mg/L		0	0	0	2,052			
03/01/2023	Waste Water: Main Lagoon	0.35	Acre Inches		342.00	10.10	142.00	mg/L	513,216	1,462	43	607	3,185			
04/19/2023	Surface Water: Lower Tule	4.20	Acre Inches		0.00			mg/L		0	0	0	2,052			
04/19/2023	Waste Water: Main Lagoon	0.35	Acre Inches		187.00	3.31	77.50	mg/L	513,216	799	14	332	397			
05/22/2023	Harvest	21.70	Tons	51.50	1.26	0.23	1.44	%						14,322		
Acre Inches Applied:		13.30							Totals:	540	1,026,433	10,697	4,096	19,937	10,251	14,322
Season Nitrogen Ratio:		0.75							Lbs Per Acre:		198	76	369	190	265	

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Nutrient Applications (Attachment B)

Field Name: 2

Wheat, 54 Acres Planted on 11/19/2022

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)	
				% Moist.	Nitrogen	Phos.	Potass.	Units								
10/12/2022	Corral Solids: Main Corral	10.00	Tons	58.90	1.73	0.91	4.28	%	540		7,679	4,039	18,998	0		
10/18/2022	Surface Water: Lower Tule	4.20	Acre Inches		0.00			mg/L			0	0	0	2,565		
01/01/2023	Atmospheric Deposit	14.00	Pounds		100.00			%			756					
02/28/2023	Surface Water: Lower Tule	4.20	Acre Inches		0.00			mg/L			0	0	0	2,052		
02/28/2023	Waste Water: Main Lagoon	0.35	Acre Inches		342.00	10.10	142.00	mg/L		513,216	1,462	43	607	3,185		
04/18/2023	Surface Water: Lower Tule	4.20	Acre Inches		0.00			mg/L			0	0	0	2,052		
04/18/2023	Waste Water: Main Lagoon	0.35	Acre Inches		187.00	3.31	77.50	mg/L		513,216	799	14	332	397		
05/22/2023	Harvest	19.40	Tons	53.50	1.25	0.23	1.20	%							12,178	
Acre Inches Applied:		13.30							Totals:	540	1,026,433	10,697	4,096	19,937	10,251	12,178
Season Nitrogen Ratio:		0.88							Lbs Per Acre:			198	76	369	190	226

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Nutrient Applications (Attachment B)

Field Name: 2

Corn, 54 Acres Planted on 06/08/2023

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							
05/25/2023	Corral Solids: Main Corral	5.00	Tons	3.59	1.11	0.45	1.07	%	270		5,779	2,338	5,571	0	
05/28/2023	Surface Water: Lower Tule	5.00	Acre Inches		0.00			mg/L			0	0	0	2,443	
06/23/2023	Surface Water: Lower Tule	5.00	Acre Inches		0.00			mg/L			0	0	0	2,443	
07/16/2023	Fertilize - UN32	30.00	Gallons		32.00	0.00	0.00	%			4,318	0	0	0	
07/16/2023	Surface Water: Lower Tule	5.00	Acre Inches		0.00			mg/L			0	0	0	2,443	
08/10/2023	Surface Water: Lower Tule	5.00	Acre Inches		0.00			mg/L			0	0	0	2,443	
08/24/2023	Fertilize - UN32	30.00	Gallons		32.00	0.00	0.00	%			4,318	0	0	0	
08/24/2023	Surface Water: Lower Tule	5.00	Acre Inches		0.00			mg/L			0	0	0	2,443	
09/16/2023	Surface Water: Lower Tule	5.00	Acre Inches		0.00			mg/L			0	0	0	2,443	
10/05/2023	Harvest	31.00	Tons	64.80	0.90	0.30	0.90	%							10,607
Acre Inches Applied:		30.00							Totals:	270	14,416	2,338	5,571	14,658	10,607
Season Nitrogen Ratio:		1.36							Lbs Per Acre:		267	43	103	271	196

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Nutrient Applications (Attachment B)

Field Name: 3

Wheat, 54 Acres Planted on 11/16/2022

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)
				% Moist.	Nitrogen	Phos.	Potass.	Units							
10/01/2022	Corral Solids: Main Corral	10.00	Tons	58.90	1.73	0.91	4.28	%	540		7,679	4,039	18,998	0	
10/05/2022	Surface Water: Lower Tule	4.20	Acre Inches		0.00			mg/L			0	0	0	2,565	
01/01/2023	Atmospheric Deposit	14.00	Pounds		100.00			%			756				
02/26/2023	Surface Water: Lower Tule	4.20	Acre Inches		0.00			mg/L			0	0	0	2,052	
02/26/2023	Waste Water: Main Lagoon	0.35	Acre Inches		342.00	10.10	142.00	mg/L		513,216	1,462	43	607	3,185	
04/16/2023	Surface Water: Lower Tule	4.20	Acre Inches		0.00			mg/L			0	0	0	2,052	
04/16/2023	Waste Water: Main Lagoon	0.35	Acre Inches		187.00	3.31	77.50	mg/L		513,216	799	14	332	397	
05/22/2023	Harvest	18.50	Tons	54.60	1.05	0.20	0.86	%							9,525
Acre Inches Applied:		13.30		Totals:					540	1,026,433	10,697	4,096	19,937	10,251	9,525
Season Nitrogen Ratio:		1.12		Lbs Per Acre:							198	76	369	190	176

Double J Feedlot 2023

Nutrient Applications (Attachment B)

Field Name: 3

Corn, 54 Acres Planted on 06/12/2023

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							
05/25/2023	Corral Solids: Main Corral	5.00	Tons	3.59	1.11	0.45	1.07	%	270		5,779	2,338	5,571	0	
05/28/2023	Surface Water: Lower Tule	5.00	Acre Inches		0.00			mg/L			0	0	0	2,443	
06/24/2023	Surface Water: Lower Tule	6.00	Acre Inches		0.00			mg/L			0	0	0	2,932	
07/17/2023	Fertilize - UN32	30.00	Gallons		32.00	0.00	0.00	%			4,318	0	0	0	
07/17/2023	Surface Water: Lower Tule	5.20	Acre Inches		0.00			mg/L			0	0	0	2,541	
08/11/2023	Surface Water: Lower Tule	5.00	Acre Inches		0.00			mg/L			0	0	0	2,443	
08/25/2023	Fertilize - UN32	30.00	Gallons		32.00	0.00	0.00	%			4,318	0	0	0	
08/25/2023	Surface Water: Lower Tule	5.30	Acre Inches		0.00			mg/L			0	0	0	2,589	
09/17/2023	Surface Water: Lower Tule	5.00	Acre Inches		0.00			mg/L			0	0	0	2,443	
10/06/2023	Harvest	31.30	Tons	64.13	1.10	0.30	0.89	%						13,373	
Acre Inches Applied:		31.50							Totals:	270	14,416	2,338	5,571	15,391	13,373
Season Nitrogen Ratio:		1.08							Lbs Per Acre:	267	43	103	285	248	

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Nutrient Applications (Attachment B)

Field Name: 4

Wheat, 54 Acres Planted on 11/16/2022

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)
				% Moist.	Nitrogen	Phos.	Potass.							
10/13/2022	Corral Solids: Main Corral	10.00	Tons	58.90	1.73	0.91	4.28	%	540	7,679	4,039	18,998	0	
10/19/2022	Surface Water: Lower Tule	4.30	Acre Inches		0.00			mg/L		0	0	0	2,626	
01/01/2023	Atmospheric Deposit	14.00	Pounds		100.00			%		756				
02/25/2023	Surface Water: Lower Tule	5.00	Acre Inches		0.00			mg/L		0	0	0	2,443	
02/25/2023	Waste Water: Main Lagoon	0.35	Acre Inches		342.00	10.10	142.00	mg/L	513,216	1,462	43	607	3,185	
04/17/2023	Surface Water: Lower Tule	5.00	Acre Inches		0.00			mg/L		0	0	0	2,443	
04/17/2023	Waste Water: Main Lagoon	0.35	Acre Inches		187.00	3.31	77.50	mg/L	513,216	799	14	332	397	
05/22/2023	Harvest	18.40	Tons	58.70	1.10	0.22	1.05	%						9,028
Acre Inches Applied:		15.00												9,028
Season Nitrogen Ratio:		1.18												167
								Lbs Per Acre:						
										198	76	369	205	

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Nutrient Applications (Attachment B)

Field Name: 4

Corn, 54 Acres Planted on 06/16/2023

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							
05/25/2023	Corral Solids: Main Corral	5.00	Tons	3.59	1.11	0.45	1.07	%	270		5,779	2,338	5,571	0	
05/28/2023	Surface Water: Lower Tule	5.00	Acre Inches		0.00			mg/L			0	0	0	2,443	
06/22/2023	Surface Water: Lower Tule	5.20	Acre Inches		0.00			mg/L			0	0	0	2,541	
07/16/2023	Fertilize - UN32	30.00	Gallons		32.00	0.00	0.00	%			4,318	0	0	0	
07/16/2023	Surface Water: Lower Tule	5.20	Acre Inches		0.00			mg/L			0	0	0	2,541	
08/10/2023	Surface Water: Lower Tule	5.50	Acre Inches		0.00			mg/L			0	0	0	2,687	
08/24/2023	Fertilize - UN32	30.00	Gallons		32.00	0.00	0.00	%			4,318	0	0	0	
08/24/2023	Surface Water: Lower Tule	6.00	Acre Inches		0.00			mg/L			0	0	0	2,932	
09/16/2023	Surface Water: Lower Tule	5.20	Acre Inches		0.00			mg/L			0	0	0	2,541	
10/09/2023	Harvest	31.30	Tons	67.20	1.16	0.33	1.03	%							12,917
Acre Inches Applied:		32.10							Totals:	270	14,416	2,338	5,571	15,684	12,917
Season Nitrogen Ratio:		1.12							Lbs Per Acre:		267	43	103	290	239

Double J Feedlot 2023

Nutrient Applications (Attachment B)

Field Name: 5

Alfalfa, 39 Acres Planted on 11/01/2022

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)
				% Moist.	Nitrogen	Phos.							
01/01/2023	Atmospheric Deposit	14.00	Pounds		100.00	%			546				
02/08/2023	Surface Water: Lower Tule	5.00	Acre Inches		0.00	mg/L			0	0	0	1,764	
03/10/2023	Surface Water: Lower Tule	5.00	Acre Inches		0.00	mg/L			0	0	0	1,764	
04/08/2023	Surface Water: Lower Tule	5.00	Acre Inches		0.00	mg/L			0	0	0	1,764	
05/12/2023	Surface Water: Lower Tule	5.00	Acre Inches		0.00	mg/L			0	0	0	1,764	
06/08/2023	Surface Water: Lower Tule	5.00	Acre Inches		0.00	mg/L			0	0	0	1,764	
07/13/2023	Surface Water: Lower Tule	5.00	Acre Inches		0.00	mg/L			0	0	0	1,764	
08/14/2023	Surface Water: Lower Tule	5.00	Acre Inches		0.00	mg/L			0	0	0	1,764	
09/10/2023	Surface Water: Lower Tule	5.00	Acre Inches		0.00	mg/L			0	0	0	1,764	
10/15/2023	Harvest	8.50	Tons	**	2.80	0.33	2.49	%					18,564
Acre Inches Applied:		40.00					Totals:		546	0	0	14,115	18,564
Season Nitrogen Ratio:		0.03					Lbs Per Acre:		14	0	0	362	476

**Double J Feedlot 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	48,054.60	23,169.78	92,705.04	0.00	2,970.00 tons
Process Wastewater	9,046.08	228.96	3,754.08	14,329.44	4,105,730.16 gallons
Irrigation Water	0.00				
Fertilizer / Total Imports	25,910.28				
Atmospheric Deposition	3,570.00				
Total Nitrogen Applied	86,580.96				
Crop Nitrogen Removal	100,513.32				
Nitrogen Balance	(13,932.36)				
Nitrogen Ratio	0.86				

- 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.

Double J Feedlot 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

Double J Feedlot 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)**
-------------------------------	---------------------------------	-----------------------------------	----------------------------------	------------------------------

* 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.



Double J Feedlot 2023
Land Application Area Description Technical Report (Attachment D)

Field Name	Assessor Parcel Number(s)	Acres	Type of Waste Applied
1	x200 x120 x005 xxxx	54	Both
2	x200 x120 x005 xxxx	54	Both
3	x200 x120 x005 xxxx	54	Both
4	x200 x120 x005 xxxx	54	Both
5	x200 x120 x005 xxxx	39	None
		255	

Production Area APN(s): x200 x120 x005 xxxx

Double J Feedlot 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
03/08/2023	342.00	10.10	142.00	1,120	19.60		745.00							
04/19/2023	187.00	3.31	77.50	140	5.20	1.49	93.00	6.58						
07/18/2023	146.00	0.86	49.00	260	17.30		173.00							
11/02/2023	78.00	0.00	56.40	1,060	23.90		704.00							
Averages:	188.25	3.57	81.22	645	16.50	1.49	428.75	6.58						

Manure - Corral Solids

(Dry Weight Basis)

Sample Date:	TN	TP	TK	Moisture	Ash	CA	MG	NA	S	CL
06/14/2023	1.11	0.45	1.07	3.59						%
11/02/2023	0.90	0.52	1.90	40.70						%
Averages:	1.01	0.49	1.48	22.14						

Plant Tissue

(Dry Weight Basis)

Field:	Crop #:	Crop	Sample Date:	TN (lbs/ton)	TP (lbs/ton)	TK (lbs/ton)	Moisture (%)	Ash (%)
1	1	Wheat	05/22/2023	25.20	4.60	28.80	51.50	8.04
2	1	Wheat	05/22/2023	25.00	4.60	24.00	53.50	8.02



Double J Feedlot 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 (%)
2	2	Corn	10/05/2023	18.00	6.00	17.90	64.80	5.74
3	1	Wheat	05/22/2023	21.00	4.00	17.20	54.60	7.19
3	2	Corn	10/06/2023	22.06	6.07	17.73	64.13	5.20
4	1	Wheat	05/22/2023	22.00	4.40	21.00	58.70	7.53
4	2	Corn	10/09/2023	23.30	6.60	20.60	67.20	3.26
5	1	Alfalfa		56.00	6.60	49.80		BV-W

BV-W: Book Value from Western Fertilizer Handbook, 9th Edition, Table 4-1 (As Received basis)

Well / Irrigation Water

(mg/l/ppm unless noted otherwise)

	Sample Date:	NO3N	TP (umhos/cm)	NH4N *	TDS	TN	General Minerals						
							CA	MG	NA	HCO3	CO3	SO4	CL
Domestic													
Cow Domestic	12/27/2023	22.20		934	610.00		86.00	7.00	110.00	300.00	0.00	26.80	53.00
House Domestic							Out of service						
Averages:		22.20		934	610.00		86.00	7.00	110.00	300.00	0.00	26.80	53.00

Double J Feedlot 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	CA	MG	NA	HCO3	CO3	SO4	CL
Irrigation														
DCC1A	09/11/2023	0.00		348		280.00	0.00							
DCC1B								Out of service						
DCC1C	09/11/2023	3.20		547		340.00	3.20	22.00	2.00	93.00	180.00	0.00	20.70	36.00
Averages:		1.60		448		310.00	1.60	22.00	2.00	93.00	180.00	0.00	20.70	36.00
Surface Water														
Lower Tule (General)	06/28/2023	0.00		52		40.00	0.00							
Averages:		0.00		52		40.00	0.00							

* NH4N was non-detectable unless a value is shown

Soils

Field	Sample Date:	PO4P (ppm)
1	06/19/2023	30.50
2	06/19/2023	34.50
3	06/19/2023	27.90
4	06/19/2023	35.50

Double J Feedlot 2023
Planting and Harvest Information (Attachment F)

	Crop #	Crop	Acres Planted	Plant Date	Harvest Date	Estimated Yield (tons)	Tons Harvested	Actual Yield
Field: 1								
	1	Wheat	54	11/22/2022	05/22/2023	22.8	1171.8	21.7
Field: 2								
	1	Wheat	54	11/19/2022	05/22/2023	19.0	1047.6	19.4
	2	Corn	54	06/08/2023	10/05/2023	31.6	1674.0	31.0
Field: 3								
	1	Wheat	54	11/16/2022	05/22/2023	19.0	999.0	18.5
	2	Corn	54	06/12/2023	10/06/2023	31.6	1690.2	31.3
Field: 4								
	1	Wheat	54	11/16/2022	05/22/2023	18.1	993.6	18.4
	2	Corn	54	06/16/2023	10/09/2023	31.6	1690.2	31.3
Field: 5								
	1	Alfalfa	39	11/01/2022	10/15/2023	8.0	331.5	8.5

Double J Feedlot 2023

Weather Data (Attachment G)

Day	January	February	March	April	May	June	July	August	September	October	November	December
1	Light	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	Light	None	None	None	None	None	None	None
5	Heavy	Light	Light	None	None	None	None	None	None	None	None	None
6	None	None	None	None	None	None	None	None	None	None	None	None
7	None	None	None	None	None	SWP	None	None	None	None	None	None
8	None	None	None	None	None	None	None	None	None	None	None	None
9	SWP	None	Light	None	None	None	None	None	None	None	None	None
10	Light	None	SWP	None	None	None	None	None	None	None	None	None
11	None	None	None	None	None	None	None	None	None	None	None	None
12	None	None	None	None	None	None	None	None	None	None	None	None
13	None	None	None	None	None	None	None	None	None	None	None	None
14	Heavy	None	SWP	None	None	None	None	None	None	None	None	None
15	Light	None	Heavy	None	None	None	None	None	None	None	None	None
16	Heavy	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	Light	None	None	None	None	Light	None	None	None	None
20	None	None	None	None	None	None	None	SWP	None	None	None	None
21	None	None	SWP	None	None	None	None	None	None	None	None	None
22	None	Light	Light	None	None	None	None	None	None	None	None	None
23	None	None	None	None	None	None	None	None	None	Heavy	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	Heavy	Light	None	None	None	None	None	None	None	None	None
29	Light		Heavy	None	None	None	None	None	None	None	None	None
30	None		Light	None	None	None	None	None	None	None	None	Light
31	None		None		None		None	None	None	None		None

*Note: SWP = Standing Water Present





September 29, 2023

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

Lab No. : VI 2346147
Customer No. : 4018573
Reference : 41325

Laboratory Report

Introduction: This report package contains a total of 6 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 | (3 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
DCC1C	09/11/2023	09/11/2023	VI 2346147-001	AGW
DCC1A	09/11/2023	09/11/2023	VI 2346147-002	AGW

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 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)
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: 2023-09-29

Section: Case Narrative

Page 1 of 6

Page 1 of 6

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September 29, 2023

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

Description : DCC1C
 Project : 0321 Double J Feedlot

Lab No. : VI 2346147-001
 Customer No.: 4018573
 Reference : 41325
 Sampled On : September 11, 2023 at 12:25
 Sampled By : Zeke
 Received On : September 11, 2023 at 15:37
 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													
Alkalinity (as CaCO ₃)	150	10	mg/L		1		09/20/2023	17:39	amm	SM 4500-H+B	09/21/2023	05:06	amm
Bicarbonate	180	10	mg/L		1		09/20/2023	17:39	amm	SM 4500-H+B	09/21/2023	05:06	amm
Carbonate	ND	10	mg/L		1	U	09/20/2023	17:39	amm	SM 4500-H+B	09/21/2023	05:06	amm
Hydroxide	ND	10	mg/L		1	U	09/20/2023	17:39	amm	SM 4500-H+B	09/21/2023	05:06	amm
Chloride	36	1	mg/L		1		09/12/2023	10:31	ldm	EPA 300.0	09/12/2023	22:03	ldm
Nitrogen, Total Kjeldahl	ND	0.5	mg/L		1	UL	09/21/2023	09:23	sta	EPA 351.2	09/25/2023	20:45	lcr
Nitrate Nitrogen	3.2	0.1	mg/L		1		09/12/2023	10:31	ldm	EPA 300.0	09/12/2023	22:03	ldm
Nitrogen, Total as Nitrogen	3.2	0.5	mg/L		1	I	09/21/2023	09:23	sta	Calc.	09/25/2023	20:45	lcr
Nitrate + Nitrite as N	3.2	0.1	mg/L		1		09/12/2023	10:31	ldm	EPA 300.0	09/12/2023	22:03	ldm
Kjeldahl Nitrogen	ND	0.5	mg/L		1	UL	09/21/2023	09:23	sta	EPA 351.2	09/25/2023	20:45	lcr
Conductivity	547	1	umhos/cm		1		09/20/2023	17:39	amm	SM 4500-H+B	09/21/2023	05:06	amm
Sulfate Sulfur	20.7	0.17	mg/L		1		09/12/2023	10:31	ldm	EPA 300.0	09/12/2023	22:03	ldm
Solids, Total Dissolved (TDS)	340	20	mg/L		1		09/14/2023	10:30	ctl	SM 2540 C	09/15/2023	11:00	ctl
Calcium	22	1	mg/L		1		09/14/2023	06:45	ejc	EPA 200.7	09/14/2023	19:08	ac
Magnesium	2	1	mg/L		1		09/14/2023	06:45	ejc	EPA 200.7	09/14/2023	19:08	ac
Sodium	93	1	mg/L		1		09/14/2023	06:45	ejc	EPA 200.7	09/14/2023	19:08	ac

DQF Flags Definition:

U Constituent results were non-detect.

I The MS/MSD did not meet QC criteria.

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



September 29, 2023

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

Description : DCC1A
 Project : 0321 Double J Feedlot

Lab No. : VI 2346147-002
 Customer No.: 4018573
 Reference : 41325
 Sampled On : September 11, 2023 at 12:45
 Sampled By : Zeke
 Received On : September 11, 2023 at 15:37
 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	09/21/2023	09:23	sta	EPA 351.2	09/25/2023	20:52	lcr
Nitrate Nitrogen	ND	0.4	mg/L		1	U	09/12/2023	12:35	lfs	SM 4500-NO3 F	09/12/2023	15:10	lfs
Nitrogen, Total as Nitrogen	ND	0.5	mg/L		1	U	09/21/2023	09:23	sta	Calc.	09/25/2023	20:52	lcr
Nitrate + Nitrite as N	ND	0.4	mg/L		1	U	09/12/2023	12:35	lfs	SM 4500-NO3 F	09/12/2023	15:10	lfs
Kjeldahl Nitrogen	ND	0.5	mg/L		1	U	09/21/2023	09:23	sta	EPA 351.2	09/25/2023	20:52	lcr
Conductivity	384	1	umhos/cm		1		09/15/2023	09:09	krh	SM 4500-H+B	09/15/2023	10:42	krh
Solids, Total Dissolved (TDS)	280	20	mg/L		1		09/13/2023	10:20	ctl	SM 2540 C	09/14/2023	11:40	ctl

DQF Flags Definition:

U Constituent results were non-detect.

1 The MS/MSD did not meet QC criteria.

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



September 29, 2023

Innovative Ag Services, LLC

Lab No. : VI 2346147
 Customer No. : 4018573

Quality Control - Metals

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Calcium	200.7	09/14/2023:210309EJC (SP 2315438-001)	Blank LCS MS MSD MSRPD MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00	ND 93.4% 43.3% 61.1% 2.0% 99.5% 108% 1.0%	<1 85-115 <¼ <1/4 ≤20.0 75-125 75-125 ≤20.0	406
Magnesium	200.7	09/14/2023:210309EJC (SP 2315438-001)	Blank LCS MS MSD MSRPD MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00	ND 98.3% 86.7% 90.5% 1.3% 99.1% 104% 1.6%	<1 85-115 75-125 75-125 ≤20 75-125 75-125 ≤20	
Sodium	200.7	09/14/2023:210309EJC (SP 2315438-001)	Blank LCS MS MSD MSRPD MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00	ND 94.7% 80.8% 85.5% 1.4% 89.3% 104% 2.5%	<1 85-115 75-125 75-125 ≤20.0 75-125 75-125 ≤20.0	

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.
- 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

- 406 : Matrix Spike (MS) not within the Acceptance Range (AR) because of high analyte concentration in the sample. Data was accepted based on the LCS or CCV recovery.

September 29, 2023

Innovative Ag Services, LLC

Lab No. : VI 2346147
 Customer No. : 4018573

Quality Control - Wet Chem

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Alkalinity (as CaCO3)	2320B	09/20/2023:210530AMM	ND	mg/L		0.4%	10	406
Bicarbonate	2320B	(SP 2315663-001)	Dup	mg/L		0.3%	10	
E. C.	2320B	(VI 2346608-002)	Dup	umhos/cm		0.2%	5	
	2320B	(SP 2315663-001)	Dup	umhos/cm		0%	5	
Solids, Total Dissolved	2540CE	09/13/2023:210246CTL	Blank	mg/L	991.5	ND	<20	
		(VI 2346141-005)	LCS	mg/L		101%	90-110	
		(VI 2346141-005)	Dup	mg/L		1.75%	5	
		(VI 2346141-005)	Dup	mg/L		2.07%	5	
	2540CE	09/14/2023:210327CTL	Blank	mg/L	991.5	ND	<20	
		(CC 2383073-001)	LCS	mg/L		101%	90-110	
		(CC 2383073-001)	Dup	mg/L		1.58%	5	
		(CC 2383073-001)	Dup	mg/L		0.6%	5	
Chloride	300.0	09/12/2023:210259LDM	Blank	mg/L		ND	<1	
		(CH 2377560-001)	LCS	mg/L	25.00	103 %	90-110	
		(CH 2377560-001)	MS	mg/L	50.00	98.6 %	67-117	
		(CH 2377560-001)	MSD	mg/L	50.00	98.7 %	67-117	
		(CH 2377560-002)	MSRPD	mg/L	10.00	0.05%	≤7	
		(CH 2377560-002)	MS	mg/L	50.00	101 %	67-117	
		(CH 2377560-002)	MSD	mg/L	50.00	101 %	67-117	
		(CH 2377560-002)	MSRPD	mg/L	10.00	0.07%	≤7	
Nitrate + Nitrite as N	300.0	09/12/2023:210259LDM	Blank	mg/L		ND	<0.4	
		(CH 2377560-001)	LCS	mg/L	20.00	104 %	90-110	
		(CH 2377560-001)	MS	mg/L	40.00	100 %	86-112	
		(CH 2377560-001)	MSD	mg/L	40.00	100 %	86-112	
		(CH 2377560-001)	MSRPD	mg/L	10.00	0.07%	≤7	
		(CH 2377560-002)	MS	mg/L	40.00	103 %	86-112	
		(CH 2377560-002)	MSD	mg/L	40.00	103 %	86-112	
		(CH 2377560-002)	MSRPD	mg/L	10.00	0.1%	≤7	
Nitrate Nitrogen	300.0	09/12/2023:210259LDM	Blank	mg/L		ND	<0.4	
		(CH 2377560-001)	LCS	mg/L	20.00	104 %	90-110	
		(CH 2377560-001)	MS	mg/L	40.00	100 %	86-112	
		(CH 2377560-001)	MSD	mg/L	40.00	100 %	86-112	
		(CH 2377560-001)	MSRPD	mg/L	10.00	0.07%	≤7	
		(CH 2377560-002)	MS	mg/L	40.00	103 %	86-112	
		(CH 2377560-002)	MSD	mg/L	40.00	103 %	86-112	
		(CH 2377560-002)	MSRPD	mg/L	10.00	0.1%	≤7	
Sulfate Sulfur	300.0	09/12/2023:210259LDM	Blank	mg/L		ND	<0.5	
		(CH 2377560-001)	LCS	mg/L	50.00	104 %	90-110	
		(CH 2377560-001)	MS	mg/L	100.0	99.7 %	18-165	
		(CH 2377560-001)	MSD	mg/L	100.0	99.9 %	18-165	
		(CH 2377560-001)	MSRPD	mg/L	10.00	0.2%	≤7	
		(CH 2377560-002)	MS	mg/L	100.0	103 %	18-165	
		(CH 2377560-002)	MSD	mg/L	100.0	103 %	18-165	
		(CH 2377560-002)	MSRPD	mg/L	10.00	0.02%	≤7	
Nitrogen, Total Kjeldahl	351.2	09/21/2023:210595STA	Blank	mg/L		ND	<0.5	
		(STK2352400-001)	LCS	mg/L	12.00	91.7%	73-124	
		(STK2352400-001)	MS	mg/L	12.00	89.3%	90-110	435
		(STK2352400-001)	MSD	mg/L	12.00	88.1%	90-110	435
		(STK2352400-001)	MSRPD	mg/L		1.2%	≤20	
		(STK2352400-001)	MS	mg/L	12.00	89.7%	90-110	435

September 29, 2023

Innovative Ag Services, LLC

Lab No. : VI 2346147
 Customer No. : 4018573

Quality Control - Wet Chem

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
		(STK2352400-004)	MSD MSRPD	mg/L mg/L	12.00 3.8%	93.6% 3.8%	90-110 ≤20	
Nitrate + Nitrite as N	4500NO3F	09/12/2023:210228LFS	Blank LCS MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L	11.22 5.609 5.609 5.609 5.609	ND 98.4% 101% 102% 1.1%	<0.4 80-120 66-125 66-125 ≤30.4	
Nitrate Nitrogen	4500NO3F	09/12/2023:210228LFS	Blank LCS MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L	11.22 5.609 5.609 5.609 5.609	ND 98.4% 101% 102% 1.1%	<0.4 80-120 66-125 66-125 ≤30.4	
		(CH 2377709-001)						

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.

Explanation

- 406 : Matrix Spike (MS) not within the Acceptance Range (AR) because of high analyte concentration in the sample. Data was accepted based on the LCS or CCV recovery.
- 435 : Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.



Laboratory Analysis Work Order

Nº 41325

ID: # 0321

2346147

LABORATORY: FGL

SITE NAME: DOUBLE J FEEDLOT

Billing: IAS

ANALYSIS TO BE COMPLETED:
Irrigation/Ground Water (ELAP Standards)

- W1 EC, NO₃N (Dom)
 W2 EC, NO₃N, TDS, TN (Irr) *(W1)*
 W3 NH₄-N (Ammonium) *(W1)*
 W4 EC, NO₃N, Ca, Mg, Na, K, HCO₃, CO₃, SO₄S, Cl, TDS (Dom, GM) *(W1)*
 W5 EC, NO₃N, TDS, TN, Ca, Mg, Na, HCO₃, CO₃, SO₄S, Cl (Irr, GM) *(W1)*
 W6 NO₃N, NO₂ (Dom ILRP, Annually)
 W7 Ca, Mg, Na, K, HCO₃, CO₃, SO₄, Cl + Lab Filtering (GWM)
 W8 Other: _____

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: _____

Process Waste Water (lagoon)

- L1 EC, NH₄N, TKN, TP, TK, TDS (Quarterly)
 L2 EC, NO₃N, NH₄N, TKN, TP, TK, TDS, pH (Annually)
 L3 L1 + Ca, Mg, Na, HCO₃, CO₃, SO₄S, Cl (Biennially)
 L4 Other: _____

Manure

- M1 TN, TP, TK, %M (2/year)
 M2 TN, TP, K, %M, Ca, Mg, Na, S, Cl, ash (Biennially)
 M3 Other: _____

Soil

- S1 SP%, pH, EC, Ca, Mg, Na, K, ESP, LP, B, NO₃N, PO₄P, K-AA, Zn, Mn, Fe, Cu, SO₄S
 S2 S1 + CEC, CaCO₃, OM, C:N, TN
 S3 NO₃N, NH₄N
 S4 Other: _____

Sample ID	Description	Analysis	Date/Time	Sampled by	IAS USE ONLY: FIELD TESTS		
					NH ₃ N*	pH	Temp
1 DCC1C	IRR	W5	9-11/12:25	Zekke			
2 DCC1A	IRR	W2	9-11/12:45	Zekke			
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
1st	<i>[Signature]</i>	IAS		9-11-2023 / 2:58
2nd	<i>AB</i>	FGL	9/11/23 1525	
3rd	<i>AB</i>	FGL		9/11/23 1537
4th	<i>AB</i>		9/11/23 1537	

LABORATORY USE ONLY

Logged In By: *[Signature]*

Total Samples: 111

Laboratory #: 111

GLS

MC 9/12/23 12:17

GLS



January 9, 2024

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

Lab No. : VI 2348944
Customer No. : 4018573
Reference : 42248

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
Cow Dom	12/27/2023	12/27/2023	VI 2348944-001	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 at 2.8 ° C. 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)
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: JRD

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

Digitally signed by Kelly A. Dunnahoo, B.S.
 Title: Laboratory Director
 Date: 2024-01-10

Section: Case Narrative

Page 1 of 4

Page 1 of 4

Corporate Offices & Laboratory 853 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 CA ELAP Certification No. 1563	Office & Laboratory 563 E. Lindo Avenue Chico, CA 95926 TEL: (530)343-5818 FAX: (530)343-3807 CA ELAP Certification No. 2670	Office & Laboratory 3442 Empresa Drive, Suite D San Luis Obispo, CA 93401 TEL: (805)783-2940 FAX: (805)783-2912 CA ELAP Certification No. 2775	Office & Laboratory 9415 W. Goshen Avenue Visalia, CA 93291 TEL: (559)734-9473 FAX: (559)734-8435 CA ELAP Certification No. 2810
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January 9, 2024

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

Description : Cow Dom
 Project : 0321 Double J Feedlot

Lab No. : VI 2348944-001
 Customer No.: 4018573
 Reference : 42248
 Sampled On : December 27, 2023 at 08:50
 Sampled By : Zeke
 Received On : December 27, 2023 at 15:45
 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)	250	10	mg/L		1		01/02/2024	19:43	amm	SM 4500-H+B	01/03/2024	01:59	amm
Bicarbonate	300	10	mg/L		1		01/02/2024	19:43	amm	SM 4500-H+B	01/03/2024	01:59	amm
Carbonate	ND	10	mg/L		1	U	01/02/2024	19:43	amm	SM 4500-H+B	01/03/2024	01:59	amm
Hydroxide	ND	10	mg/L		1	U	01/02/2024	19:43	amm	SM 4500-H+B	01/03/2024	01:59	amm
Chloride	53	1	mg/L	500 ²	1		01/02/2024	11:46	ldm	EPA 300.0	01/02/2024	19:03	ldm
Nitrate Nitrogen	22.2	0.4	mg/L	10	1		12/28/2023	13:00	lfs	SM 4500-NO ₃ F	12/28/2023	14:41	lfs
Conductivity	934	1	umhos/cm	1600 ²	1		01/02/2024	19:43	amm	SM 4500-H+B	01/03/2024	01:59	amm
Sulfate Sulfur	26.8	0.17	mg/L		1		01/02/2024	11:46	ldm	EPA 300.0	01/02/2024	19:03	ldm
Solids, Total Dissolved (TDS)	610	20	mg/L	1000 ²	1		12/29/2023	14:00	ctl	SM 2540 C	01/02/2024	11:50	ctl
Calcium	86	1	mg/L		1	lh	01/02/2024	05:45	ejc	EPA 200.7	01/04/2024	17:00	ac
Magnesium	7	1	mg/L		1		01/02/2024	05:45	ejc	EPA 200.7	01/04/2024	17:00	ac
Potassium	ND	1	mg/L		1	U	01/02/2024	05:45	ejc	EPA 200.7	01/04/2024	17:00	ac
Sodium	110	1	mg/L		1	h	01/02/2024	05:45	ejc	EPA 200.7	01/04/2024	17:00	ac

DQF Flags Definition:

- U Constituent results were non-detect.
- I The MS/MSD did not meet QC criteria.
- h The MS/MSD did not meet QC criteria.

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

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



January 9, 2024
Innovative Ag Services, LLC

Lab No. : VI 2348944
 Customer No. : 4018573

Quality Control - Metals

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Calcium	200.7	01/02/2024:200032EJC	Blank	mg/L		ND	<1	
		(CH 2390850-001)	LCS	mg/L	12.00	103%	85-115	
			MS	mg/L	12.00	74.8%	75-125	435
			MSD	mg/L	12.00	84.5%	75-125	
			MSRPD	mg/L		2.6%	≤20.0	
		(CH 2390849-002)	MS	mg/L	12.00	103%	75-125	
			MSD	mg/L	12.00	134%	75-125	435
			MSRPD	mg/L		7.8%	≤20.0	
Magnesium	200.7	01/02/2024:200032EJC	Blank	mg/L		ND	<1	
		(CH 2390850-001)	LCS	mg/L	12.00	104%	85-115	
			MS	mg/L	12.00	87.0%	75-125	
			MSD	mg/L	12.00	91.7%	75-125	
			MSRPD	mg/L		2.1%	≤20	
		(CH 2390849-002)	MS	mg/L	12.00	102%	75-125	
			MSD	mg/L	12.00	121%	75-125	
			MSRPD	mg/L		7.8%	≤20	
Potassium	200.7	01/02/2024:200032EJC	Blank	mg/L		ND	<1	
		(CH 2390850-001)	LCS	mg/L	12.00	101%	85-115	
			MS	mg/L	12.00	99.6%	75-125	
			MSD	mg/L	12.00	101%	75-125	
			MSRPD	mg/L		1.7%	≤20.0	
		(CH 2390849-002)	MS	mg/L	12.00	105%	75-125	
			MSD	mg/L	12.00	116%	75-125	
			MSRPD	mg/L		8.7%	≤20.0	
Sodium	200.7	01/02/2024:200032EJC	Blank	mg/L		ND	<1	
		(CH 2390850-001)	LCS	mg/L	12.00	101%	85-115	
			MS	mg/L	12.00	82.1%	75-125	
			MSD	mg/L	12.00	88.0%	75-125	
			MSRPD	mg/L		2.2%	≤20.0	
		(CH 2390849-002)	MS	mg/L	12.00	106%	75-125	
			MSD	mg/L	12.00	128%	75-125	435
			MSRPD	mg/L		7.5%	≤20.0	

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.
- 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

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

January 9, 2024
Innovative Ag Services, LLC

Lab No. : VI 2348944
Customer No. : 4018573

Quality Control - Wet Chem

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Alkalinity (as CaCO ₃)	2320B	(SP 2321112-007)	Dup	mg/L		0.09%	10	
Bicarbonate	2320B	(SP 2321112-007)	Dup	mg/L		0.1%	10	
E. C.	2320B	(SP 2321112-007)	Dup	umhos/cm		0.1%	5	
Solids, Total Dissolved	2540CE	12/29/2023:214664CTL (VI 2348941-001) (VI 2348941-001)	Blank LCS Dup Dup	mg/L mg/L mg/L mg/L	991.5	ND 101% 2.69% 3.94%	<20 90-110 5 5	
Chloride	300.0	01/02/2024:200062LDM (CC 2384647-001) (SP 2320946-002)	Blank LCS MS MSD MSRPD MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	25.00 50.00 50.00 50.00 0.1% 50.00 50.00 0.0%	ND 98.8% 102% 102% ≤7 94.6% 94.6% ≤7	<1 90-110 67-117 67-117 67-117 67-117 67-117 ≤7	
Sulfate Sulfur	300.0	01/02/2024:200062LDM (CC 2384647-001) (SP 2320946-002)	Blank LCS MS MSD MSRPD MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	50.00 100.0 100.0 100.0 0.0% 100.0 100.0 0.0%	ND 100% 103% 103% ≤7 84.7% 84.7% ≤7	<0.5 90-110 18-165 18-165 18-165 18-165 18-165 ≤7	
Nitrate Nitrogen	4500NO3F	12/28/2023:214627LFS (SP 2321122-001)	Blank LCS MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L	11.22 5.609 5.609 5.609 1.5%	ND 98.4% 94.1% 98.0% ≤30.4	<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.
- 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.



Laboratory Analysis Work Order

Nº 42248

ID: # 0321SITE NAME: Doubt J FeedlotBilling: JAS2348944
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: _____

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: _____

Process Waste Water (lagoon)L1 EC, NH₄N, TKN, TP, TK, TDS (Quarterly)L2 EC, NO₃N, NH₄N, TKN, TP, TK, TDS, pH (Annually)L3 L1 + Ca, Mg, Na, HCO₃, CO₃, SO₄S, Cl (Biennially)

L4 Other: _____

Manure

M1 TN, TP, TK, %M (2/year)

M2 TN, TP, K, %M, Ca, Mg, Na, S, Cl, ash (Biennially)

M3 Other: _____

SoilS1 SP%, pH, EC, Ca, Mg, Na, K, ESP, LP, B, NO₃N, PO₄P, K-AA, Zn, Mn, Fe, Cu, SO₄SS2 S1 + CEC, CaCO₃, OM, C:N, TNS3 NO₃N, NH₄N

S4 Other: _____

Sample ID	Description	Analysis	Date/Time	Sampled by	IAS USE ONLY: FIELD TESTS		
					NH ₃ N*	pH	Temp
1	Car Done.	Dom	W4	12-27-23 18:50	Zake		
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: ROI 2.8°C

ID#THT407

CHAIN OF CUSTODY RECORDING

	Signature	Company	Received Date & Time	Relinquished Date & Time
1 st		JAS		12-27-23 / 12:15
2 nd		FGL	12-27-23 15:30	
3 rd		FGL		12-27-23 15:45
4 th	 SRO	FGL	12-27-23 15:45	
		GLS	12-27-23 1730	1730

LABORATORY USE ONLY

Logged In By: _____

Total Samples: _____ Laboratory #: _____

GLS 12/28/23 1305
JAS ↓ ↓