

Livingston Dairy Consulting, Inc.

1635 E. Prosperity Ave., Ste B, Tulare
559-687-1440

Oasis Holsteins Dairy WDID 5D155065001
18041 Palm Ave. Shafter, CA 93263

- | | | |
|-------------------------------------|------------------------------|--|
| <input checked="" type="checkbox"/> | Annual Report | |
| <input checked="" type="checkbox"/> | Water Analysis Samples | |
| <input checked="" type="checkbox"/> | Manure Manifest | |
| <input checked="" type="checkbox"/> | N/A Facility / Land Map | |
| <input checked="" type="checkbox"/> | CCA Nitrogen Retrofit Report | |
| | | |
| | | |

GEO Tracker Confirmation # _____

Date: _____

Facility Info

Reporting Period: 1/1/2023 to 12/31/2023

Name of the Facility

Dairy Name: Oasis Holsteins Dairy WDID 5D155065001
Facility Address: 18041 Palm Ave. Shafter, CA 93263
Original Operation Date: 2/14/1998
Facility APN's: x088 x110 x003 xxxx
RW/QCB Basin Plan Designation: Tulare Lake Basin Check if any information has changed

Owner(s)

Owner(s) Name: Peter John & Agnes deJong
Mailing Address: 18041 Palm Ave. Shafter, CA 93263
Home Phone Number: 661-746-3930
Cell Phone Number: Check if any information has changed

Operator(s)

Operator(s) Name: Same as owner
Mailing Address: _____
Home Phone Number: _____
Cell Phone Number: Check if any information has changed

Herd Information

	Milk Cows	Dry Cows	Bred Heifers (12-24 mo)	Heifers (3-12 mo)	Calves (0-3 mo)
Open Confinement:	1,925	318	903	584	432
Number Under Roof	-	-	-	-	-
Maximum Number	1,925	318	903	584	432
Average Number	1,925	318	903	584	432
Average Live Weight (lbs)	1,400	1,450	950	630	700

Average Milk Production: 68

Predominant Milk Cow Breed: Holstein

Manure Generated:

Total manure excreted by the herd:	11,187.89	@40% Moisture	ton/yr
Total nitrogen from manure:	798,659	/bs	
	135,023	/bs	
	423,959	/bs	
Total salt from manure:	-	/bs	

Process Wastewater Generated:

Process wastewater generated:	28,105,000 gal
Total nitrogen generated:	84,276 lbs
	42,226 lbs
	113,162 lbs
Total salt (TDS) generated:	884,324 lbs

After Ammonia (30% loss applied)
559,061 lbs per reporting period

List of Land Application Areas

Field Name	APN	Cropable Acres	Total Harvest	Type of Waste Applied
1	x088 x110 x003 xxxx	154	35	P.W. & D.M.
2	x088 x110 x003 xxxx		38	P.W. & D.M.
3	x088 x110 x002 xxxx	78	74	P.W. & D.M.
4	x001 xxxx, x088 x110 x011 xxxx, x088 x110 x010 xxxx, x088 x110 x009 xxxx, x088 x110 x008 xxxx, x088 x110 x007 xxxx	77	77	P.W. & D.M.
5	x088 x110 x007 xxxx	77	76	P.W. & D.M.
6	x088 x110 x006 xxxx	77	76	P.W. & D.M.
9-10.	x008 x110 x004 xxxx	77	74	P.W. & D.M.
2A (8 Ball)	x046 x030 x003 xxxx	318	78	Dry Manure
2B (8 Ball Lease)	x049 x030 x003 xxxx		78	N/A
3B (8 Ball)	x046 x030 x003 xxxx		78	Dry Manure
3S (8 Ball)	x046 x030 x003 xxxx		78	Dry Manure
4A (8 Ball)	x046 x030 x004 xxxx	318	78	Dry Manure
4S (8 Ball Lease)	x046 x030 x004 xxxx		78	N/A
7	x088 x110 x019 xxxx, x088 x110 x020 xxxx		36	N/A
8	x088 x110 x018 xxxx		37	N/A
Total Crop Acres			991.00	

List of Land Application Areas

List of Fresh Water Sources

Source Description	Type	Subsurface (Tile) Drainage Sources	No
		Surface Water	Canal
Barn-Dairy (Dom)	Ground Water		No
1-Griffith	Ground Water		No
2-Cow	Ground Water		No
3-Cherry	Ground Water		No
4-John Deere	Ground Water		No
5-Fred's Well	Ground Water		No
6-Gray Well	Ground Water		No
SE (8 Ball)	Ground Water		No
SW (8 Ball)	Ground Water		No
NE (8 Ball)	Ground Water		No
NW (8 Ball)	Ground Water		No

		(WINTER) PLANT TISSUE ANALYSIS (Recorded As Received)								
Field	Crop	Molst %	N%	TP %	TK%	Salt	TFS	Sample #:	Date:	Source
1	Wheat, Silage	59.00	0.55	0.11	0.55	-	8.97	6-1H51908	06/01/23	Valley Tech
2	Wheat, Silage	58.10	0.52	0.11	0.48	-	7.86	6-1H51908	06/01/23	Valley Tech
3	Wheat, Baled	7.20	1.47	0.14	0.84	-	7.65	6-14H53953	06/14/23	Valley Tech
4	Wheat, Silage	56.50	0.74	0.16	0.70	-	8.50	6-1H51908	06/01/23	Valley Tech
5	Wheat, Silage	48.80	0.82	0.18	0.87	-	9.01	6-1H51908	06/01/23	Valley Tech
6	Wheat, Silage	53.10	0.77	0.17	0.83	-	8.79	6-1H51908	06/01/23	Valley Tech
9-10.	Wheat, Silage	59.10	0.61	0.11	0.67	-	9.34	6-1H51908	06/01/23	Valley Tech
2A (8 Ball)	Wheat, Baled	6.00	1.84	0.12	0.85	-	6.00	6-14H53953	06/14/23	Valley Tech
2B (8 Ball Lease)	W. Fallow	-	-	-	-	-	-	Leased	-	
3B (8 Ball)	Wheat, Baled	6.70	2.24	0.13	1.05	-	7.68	6-14H53953	06/14/23	Valley Tech
3S (8 Ball)	Wheat, Baled	6.30	2.03	0.11	0.83	-	6.32	6-14H53953	06/14/23	Valley Tech
4A (8 Ball)	Wheat, Baled	6.10	1.93	0.11	0.82	-	7.02	6-14H53953	06/14/23	Valley Tech
4S (8 Ball Lease)	W. Fallow	-	-	-	-	-	-	Leased	-	
7	Trees, Almonds	-	6.50	2.50	8.50	-	-	Trees	-	
8	Trees, Almonds	-	6.50	2.50	8.50	-	-	Trees	-	
Detectable Lim Valley Tech		0.10%	0.05%	0.01%	0.01%				0.05%	
Dellavalle		0.001%	0.01%	0.01%	0.003%				0.001%	
Detectable Limits										
Valley Tech		0.10%	0.05%	0.01%	0.01%				0.05%	
Dellavalle		0.001%	0.01%	0.01%	0.003%				0.001%	

(WINTER) PLANT TISSUE ANALYSIS (Recorded As Received)

(WINTER) PLANT TISSUE ANALYSIS (Recorded As Received)

		PLANT TISSUE ANALYSIS (Recorded As Received)									
		Crop	Moist %	N%	TP %	TK%	Salt	TFS	Sample #:	Date:	Source
Field											
1	Sudangrass Silage	59.00	0.38	0.10	0.68	-	-	11.20	10-11H68940	10/11/23	Valley Tech
2	Corn, Silage	68.20	0.46	0.10	0.39	-	-	5.99	10-19H70153	10/19/23	Valley Tech
3	Corn, Silage	68.70	0.50	0.09	0.49	-	-	6.76	10-19H70153	10/19/23	Valley Tech
4	Corn, Silage	68.70	0.43	0.08	0.41	-	-	5.40	10-19H70153	10/19/23	Valley Tech
5	Corn, Silage	69.10	0.43	0.09	0.46	-	-	6.97	10-19H70153	10/19/23	Valley Tech
6	Corn, Silage	66.00	0.46	0.10	0.38	-	-	6.64	10-19H70153	10/19/23	Valley Tech
9-10.	Corn, Silage	68.90	0.48	0.09	0.43	-	-	7.78	10-19H70153	10/19/23	Valley Tech
2A (8 Ball)	S. Fallow	-	-	-	-	-	-	-	-	-	Fallow
2B (8 Ball Lease)	S. Fallow	-	-	-	-	-	-	-	-	-	Leased
3B (8 Ball)	S. Fallow	-	-	-	-	-	-	-	-	-	Fallow
3S (8 Ball)	S. Fallow	-	-	-	-	-	-	-	-	-	Fallow
4A (8 Ball)	S. Fallow	-	-	-	-	-	-	-	-	-	Fallow
4S (8 Ball Lease)	S. Fallow	-	-	-	-	-	-	-	-	-	Leased
7	Trees, Almonds	-	-	-	-	-	-	-	-	-	Trees
8	Trees, Almonds	-	-	-	-	-	-	-	-	-	Trees

Detectable Limits

Valley Tech	0.10%	0.05%	0.01%	0.01%	0.05%
DeLavalle	0.001%	0.01%	0.01%	0.003%	0.001%

PLANT TISSUE ANALYSIS (Recorded As Received)

Detectable Limits
Valley Tech
Dellverage

Winter Crops & Harvest

Field:	Crop	Plant Date	Harvest Date	Lab #	Moisture %	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS	Reporting Basis
1	Wheat, Sludge	10/28/22	5/22/23	6-1H51908	59.00	0.55	0.11	0.55	-	8.97	Dry Weight
2	Wheat, Sludge	10/28/22	5/23/23	6-1H51908	58.10	0.52	0.11	0.48	-	7.86	Dry Weight
3	Wheat, Baled	11/10/22	5/27/23	6-14H53953	7.20	1.47	0.14	0.84	-	7.65	Dry Weight
4	Wheat, Sludge	11/10/22	5/26/23	6-1H51908	56.50	0.74	0.16	0.70	-	8.50	Dry Weight
5	Wheat, Sludge	11/11/22	5/24/23	6-1H51908	48.80	0.82	0.18	0.87	-	9.01	Dry Weight
6	Wheat, Sludge	11/8/22	5/24/23	6-1H51908	53.10	0.77	0.17	0.83	-	8.79	Dry Weight
9-10.	Wheat, Sludge	11/7/22	5/23/23	6-1H51908	59.10	0.61	0.11	0.67	-	9.34	Dry Weight
2A (8 Ball)	Wheat, Baled	11/4/22	6/15/23	6-14H53953	6.00	1.84	0.12	0.85	-	6.00	Dry Weight
2B (8 Ball Lease)	W. Fallow			Leased	-	-	-	-	-	-	
3B (8 Ball)	Wheat, Baled	11/6/22	6/16/23	6-14H53953	6.70	2.24	0.13	1.05	-	7.68	Dry Weight
3S (8 Ball)	Wheat, Baled	11/4/22	6/16/23	6-14H53953	6.30	2.03	0.11	0.83	-	6.32	Dry Weight
4A (8 Ball)	Wheat, Baled	11/6/22	6/15/23	6-14H53953	6.10	1.93	0.11	0.82	-	7.02	Dry Weight
4S (8 Ball Lease)	W. Fallow			Leased	-	-	-	-	-	-	
7	Trees, Almonds	1/1/16	11/1/23	Trees	-	6.50	2.50	8.50	-	-	Dry Weight
8	Trees, Almonds	1/1/16	11/1/23	Trees	-	6.50	2.50	8.50	-	-	Dry Weight

*Detectable L Valley Tech
Dellavalle*

0.10% 0.05% 0.01% 0.01%
 0.001% 0.01% 0.01% 0.003%
 0.05%
 0.001%

Winter Crops & Harvest

Field:	Crop	Plant Date	Harvest Date	Lab #	Moisture %	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS	Reporting Basis
11	Trees, Almonds	1/1/05	11/1/23	Trees	-	6.50	2.50	8.50	-	Dry Weight	
12	Trees, Almonds	1/1/05	11/1/23	Trees	-	6.50	2.50	8.50	-	Dry Weight	
8 Ball-1	Trees, Pistachios	1/1/11	11/1/23	Trees	-	2.81	0.42	3.09	-	Dry Weight	

*Detectable L Valley Tech
Dellavalle*

Field:	Crop	Plant Date	Harvest Date	Lab #	Moisture %	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS	Reporting Basis
1	Sudangrass Silage	6/2/23	10/6/23	10-11H68940	59.00	0.38	0.10	0.68	-	11.20	Dry Weight
2	Corn, Silage	6/23/23	10/16/23	10-19H70153	68.20	0.46	0.10	0.39	-	5.99	Dry Weight
3	Corn, Silage	6/29/23	10/19/23	10-19H70153	68.70	0.50	0.09	0.49	-	6.76	Dry Weight
4	Corn, Silage	6/29/23	10/16/23	10-19H70153	68.70	0.43	0.08	0.41	-	5.40	Dry Weight
5	Corn, Silage	6/20/23	10/18/23	10-19H70153	69.10	0.43	0.09	0.46	-	6.97	Dry Weight
6	Corn, Silage	6/28/23	10/17/23	10-19H70153	66.00	0.46	0.10	0.38	-	6.64	Dry Weight
9-10.	Corn, Silage	6/25/23	10/14/23	10-19H70153	68.90	0.48	0.09	0.43	-	7.78	Dry Weight
2A (8 Ball)	S. Fallow		Fallow		-	-	-	-	-	-	
2B (8 Ball Lease)	S. Fallow		Leased		-	-	-	-	-	-	
3B (8 Ball)	S. Fallow		Fallow		-	-	-	-	-	-	
3S (8 Ball)	S. Fallow		Fallow		-	-	-	-	-	-	
4A (8 Ball)	S. Fallow		Fallow		-	-	-	-	-	-	
4S (8 Ball Lease)	S. Fallow		Leased		-	-	-	-	-	-	
7	Trees, Almonds		Trees		-	-	-	-	-	-	
8	Trees, Almonds		Trees		-	-	-	-	-	-	

*Detectable L Valley Tech
Dellavalle*

0.10% 0.05% 0.01% 0.01%
0.001% 0.01% 0.01% 0.003%
0.001% 0.001% 0.001% 0.001%

0.05%
0.001%

Field:	Crop	Plant Date	Harvest Date	Lab #	Moisture %	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS	Reporting Basis
11	Trees, Almonds			Trees	-	-	-	-	-	-	
12	Trees, Almonds			Trees	-	-	-	-	-	-	
8 Ball-1	Trees, Pistachios			Trees	-	-	-	-	-	-	

Detachable Valley Tech
Dell'avalle

Well / Canal Analysis

Well	Name/Number	NO3-N (mg/L)	EC (µmhos/cm)	TDS (mg/L)	NH4-N (mg/L)		Ca (mg/L)	Mg (mg/L)	Na (mg/L)	HCO3 (mg/L)	CO3 (mg/L)	SO4 (mg/L)	Cl (mg/L)	Lab #:	Date:	LAB	
					TN (mg/L)	NH4-N (mg/L)											
Barn-Dairy (Dorn)	2.50	461	260	-	2.50	-	-	-	-	-	-	-	-	VI 2340876	2/10/2023	FGI Environmental	
1-Griffith	4.00	582	340	-	4.00	-	-	-	-	-	-	-	-	VI 2344544	7/18/2023	FGI Environmental	
2-Cow	0.70	237	170	-	0.70	-	-	-	-	-	-	-	-	VI 2344021	6/30/2023	FGI Environmental	
3-Cherry	6.20	711	440	-	6.20	-	-	-	-	-	-	-	-	VI 2344544	7/18/2023	FGI Environmental	
4-John Deere	2.80	588	340	-	2.80	-	-	-	-	-	-	-	-	VI 2344544	7/18/2023	FGI Environmental	
5-Fred's Well	8.40	919	550	-	8.40	-	-	-	-	-	-	-	-	VI 2344544	7/18/2023	FGI Environmental	
6-Gray Well	2.00	403	250	-	2.00	-	-	-	-	-	-	-	-	VI 2344021	6/30/2023	FGI Environmental	
SE (8 Ball)	-	-	-	-	-	-	-	-	-	-	-	-	-	Canal			
SW (8 Ball)	-	-	-	-	-	-	-	-	-	-	-	-	-	Non-Op			
NE (8 Ball)	-	-	-	-	-	-	-	-	-	-	-	-	-	Canal			
NW (8 Ball)	-	-	-	-	-	-	-	-	-	-	-	-	-	Canal			
Detectable Limits																	
Dellavalle	0.01	1	10	0.2	NR	0.1	0.15	3	0.9	0.03	0.03	0.03	0.03	NR	NR	NR	NR
FGI Environmental	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vallou Tech	0.1	1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Canal	0.01	320	-	-	14.00	2.30	49.00	0.01	0.01	6.70	37.00	230766-05	10/3/2023	Other			

Soil Analysis (Winter)

Fields:	0/1ft. NO3-N (mg/kg)	1/2 ft. NO3-N (mg/kg)	0/1 ft. Sol. P (mg/kg)	0/1 ft. K (mg/kg)	0/1 ft. EC (ds/m)	OM %	Lab #	Date	Source
1	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-
9-10.	-	-	-	-	-	-	-	-	-
2A (8 Ball)	-	-	-	-	-	-	-	-	-
2B (8 Ball Lease)	-	-	-	-	-	-	-	-	-
3B (8 Ball)	-	-	-	-	-	-	-	-	-
3S (8 Ball)	-	-	-	-	-	-	-	-	-
4A (8 Ball)	-	-	-	-	-	-	-	-	-
4S (8 Ball Lease)	-	-	-	-	-	-	-	-	-
7	2.70	0.90	14.60	433.00	3.15	1.66	04-20S47186	04/20/23	Valley Tech
8	3.90	1.40	21.50	675.00	1.27	1.16	04-20S47186	04/20/23	Valley Tech

Detectable Limits

<i>Valley Tech</i>	0.1	0.1	0.2	0.0015	0.0001%
<i>DellaValle</i>	0.1	0.1	1.1		

Soil Analysis (Winter)

Fields:	0/1ft. NO3-N (mg/kg)	1/2 ft. NO3-N (mg/kg)	0/1 ft. Sol. P (mg/kg)	0/1 ft. K (mg/kg)	0/1 ft. EC (ds/m)	OM %	Lab #	Date	Source
11	2.9	1.20	28.40	331.00	1.57	1.06	04-20547186	04/20/23	Valley Tech
12	4.6	1.90	36.50	389.00	2.88	1.06	04-20547186	04/20/23	Valley Tech
8 Ball-1	3.9	14.80	8.30	219.00	1.28	1.64	04-20547186	04/20/23	Valley Tech

Detectable limits

Valley Tech 0.1
Della Valle 0.1

1.1 0.2 0.0015 0.0001%

Soil Analysis (Summer)

Fields:	0/1ft. NO₃-N (mg/kg)	1/2 ft. NO₃-N (mg/kg)	0/1 ft. Sol. P (mg/kg)	0/1 ft. K (mg/kg)	0/1 ft. EC (ds/m)	OM %	Lab #	Date	Source
1	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-
9-10.	-	-	-	-	-	-	-	-	-
2A (8 Ball)	-	-	-	-	-	-	-	-	-
2B (8 Ball Lease)	-	-	-	-	-	-	-	-	-
3B (8 Ball)	-	-	-	-	-	-	-	-	-
3S (8 Ball)	-	-	-	-	-	-	-	-	-
4A (8 Ball)	-	-	-	-	-	-	-	-	-
4S (8 Ball Lease)	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-

Detectable Limits

<i>Valley Tech</i>	0.1	0.1	0.1	0.2	0.0015	0.0001%
<i>DellaValle</i>						

Soil Analysis (Summer)

Detectable limits

Valley Tech 0.1
DellaValle 0.1

1.1 0.2 0.00015 0.00001%

Nutrient Import & Export

Nutrient Export-Did you sell, give away or otherwise remove slurry, process water or dry manure from your property?

20

Yes, Manifest attached (Attachment D)

Nutrient Import

No Dry manure nutrient imports entered

Process wastewater nutrient imports entered
 Commerical or other nutrient imports entered

Total Dry Manure Exported 3,335

Total Process Water Exported

Process Water & Manure Analysis

Detectable Limits

Qtr	Sample #:	Sample Date:	Source	lbs / Ac In			
				Inorg N	Diss N	P205	K2O
1	3-9144125	3/9/2023	Valley Tech	26.5	50.1	29.9	106.5
2	5-12149734	5/12/2023	Valley Tech	55.8	18.4	38.4	132.7
3	8-15161714	8/15/2023	Valley Tech	60.5	1.4	30.3	76.7
4	10-3167668	10/3/2023	Valley Tech	15.4	7.3	18.8	0.0

Description	Sample #:	Date:	AS 197-01 weight:	AS 197-01 weight:	Valley Tech	Corral Solids	Moisture %				
Dry Manure: (As Received)	TN %	TP %	TK %	Ca	Mg	Na	S	Cl	Salt	TFS	
Corral	1.04	0.53	2.16	-	-	-	-	-	-	-	39.10
Corral	1.10	0.68	1.63	1.45	0.54	0.28	0.43	0.85	-	-	34.90
Manure	5-12M49740	5/12/2023		Dry Weight							
Manure	10-3M67653	10/3/2023		Dry Weight							

DataTables limits

0.001%
0.001%
0.001%
0.001%
0.001%

Nutrient Applications

Field Name/Number:

1

Acres

35.00

Dry Weight
As Received

Field Name/Number: 1Acres: 35

	Total N (lbs/ac)	Total P (lbs/ac)	Total K Lbs/ac)	Total Salts (lbs/ac)
Nutrients Applied	497.5	205.6	1009.5	7644.2
Nutrients Removed at Harvest	-402.8	-93.1	-519.9	0.0
Nutrient Balance	94.6	112.5	489.7	7644.2

Winter Nitrogen Crop App / Use Ratio: 1.22 Summer Nitrogen Crop App / Use Ratio: 1.35Field Name/Number: 1 Acres: 35

Winter Crop	Wheat, Silage				
Nutrient Summary :	Applied	N			
W. Manure App.	10.0	T/Ac	83.3	242.7	518.9
W. Comm Fert App.	-	lbs/Ac	-	-	-
Process Water	Q1	3.8	Ac In /Ac	205.0	114.3
	Q2	-	Ac In /Ac	-	-
Well Water	16.37	Ac In /Ac	14.8	-	-
Canal	-	Ac In /Ac	-	-	-
Atm. Depos.	Yes		7.0	-	-
W. Planting	10/28/22				
W. Harvest	5/22/23	23.1	T/Ac	(253.4)	(121.3)
					(301.8)

Summer Crop	Sudangrass Silage				
Nutrient Summary :	Applied	N			
S. Manure App.	-	T/Ac	-	-	-
S. Comm Fert App.	-	lbs/Ac	-	-	-
Process Water	Q2	-	Ac In /Ac	-	-
	Q3	3.8	Ac In /Ac	162.7	113.9
	Q4	-	Ac In /Ac	-	-
Well Water	34.8	Ac In /Ac	31.588393	-	-
Canal	-	Ac In /Ac	-	-	-
Atm. Depos.	Yes		7.0	-	-
S. Planting	6/2/23				
S. Harvest	10/6/23	19.6	T/Ac	(149.4)	(92.0)
					(322.0)

Nutrient Applications

Field Name/Number:

2

Acres:

38.00

Field Name/Number: 2Acres: 38.00

Nutrients Applied	Total N (lbs/ac)	Total P (lbs/ac)	Total K Lbs/ac)	Total Salts (lbs/ac)
Nutrients Removed at Harvest	457.2	54.4	578.4	7975.5
Nutrient Balance	-437.8	-41.3	-322.7	0.0
	19.5	13.1	255.7	7975.5

Winter Nitrogen Crop App / Use Ratio: 0.90 Summer Nitrogen Crop App / Use Ratio: 1.28Field Name/Number: 2 Acres: 38

Winter Crop	Crop Name	Nutrient Summary :	Applied	N
W. Manure App.		-	T/Ac	-
W. Comm Fert App.		-	lbs/Ac	-
Process Water	Q1	3.8	Ac In /Ac	204.1 113.8 403.7
	Q2	-	Ac In /Ac	- - -
Well Water		16.5	Ac In /Ac	2.6
Canal		-	Ac In /Ac	-
Atm. Depos.		Yes		7.0
W. Planting	10/28/22			
W. Harvest	5/23/23	22.8	T/Ac	(236.7) (118.0) (263.4)

Summer Crop	Crop Name	Nutrient Summary :	Applied	N
S. Manure App.		-	T/Ac	-
S. Comm Fert App.		-	lbs/Ac	-
Process Water	Q2	-	Ac In /Ac	- - -
	Q3	5.7	Ac In /Ac	245.1 171.5 432.4
	Q4	-	Ac In /Ac	- - -
Well Water		34.1	Ac In /Ac	5.4
Canal		-	Ac In /Ac	-
Atm. Depos.		Yes		7.0
S. Planting	6/23/23			
S. Harvest	10/16/23	21.8	T/Ac	(201.1) (98.4) (203.0)

Nutrient Applications

Field Name/Number:

3

Acres:

74.00

Field Name/Number: 3Acres: 74.00

	Total N (lbs/ac)	Total P (lbs/ac)	Total K Lbs/ac)	Total Salts (lbs/ac)
Nutrients Applied	418.9	87.9	587.0	7325.4
Nutrients Removed at Harvest	-328.5	-22.6	-233.2	0.0
Nutrient Balance	90.4	65.3	353.8	7325.4

Winter Nitrogen Crop App / Use Ratio: 1.15 Summer Nitrogen Crop App / Use Ratio: 1.36Field Name/Number: 3 Acres: 74

Winter Crop	Wheat, Baled		N		
Nutrient Summary :	Applied				
W. Manure App.	-	T/Ac	-	-	-
W. Comm Fert App.	-	lbs/Ac	-	-	-
Process Water	Q1	1.8	Ac In /Ac	98.1	54.7
	Q2	-	Ac In /Ac	-	-
Well Water		11.6	Ac In /Ac	16.4	
Canal		-	Ac In /Ac	-	
Atm. Depos.	Yes			7.0	
W. Planting	11/10/22				
W. Harvest	5/27/23	3.6	T/Ac	(105.6)	(23.0)
					(73.0)

Summer Crop	Corn, Silage		N		
Nutrient Summary :	Applied				
S. Manure App.	9.5	T/Ac	83.3	293.3	369.5
S. Comm Fert App.	-	lbs/Ac	-	-	-
Process Water	Q2	-	Ac In /Ac	-	-
	Q3	3.7	Ac In /Ac	161.6	113.1
	Q4	-	Ac In /Ac	-	-
Well Water		36.1	Ac In /Ac	50.8	
Canal		-	Ac In /Ac	-	
Atm. Depos.	Yes			7.0	
S. Planting	6/29/23				
S. Harvest	10/19/23	22.3	T/Ac	(222.9)	(95.7)
					(264.2)

Nutrient Applications

Field Name/Number:

4

Acres:

77.00

Date	Event / Source	Dry Manure Applied (tons/ac)	Moist. %	Chem Fert total lbs	Fresh Water Applied (ac-in/ac)	Lagoon Water Applied (ac-in/ac)	Lab Sample Data					Yield	
							N (lbs/Ac)	Total P (lbs/Ac)	Total K (lbs/Ac)	Salt (lbs/Ac)	TFS %	Expected Yield (tons/ac)	Actual Yield (tons/ac)
11/5/22	W. Manure App.	12.99	-	-	-	-	108.2	137.6	561.5	-	-	-	-
11/10/22	W. Planting	-	-	-	-	-	-	-	-	-	-	-	-
12/8/22	4-John Deere	-	-	-	5.16	-	3.3	-	-	239	-	-	-
12/8/22	Process Water	-	-	-	-	2.01	107.7	26.2	177.6	1,175	-	-	-
2/6/23	4-John Deere	-	-	-	5.24	-	3.3	-	-	242	-	-	-
2/6/23	Process Water	-	-	-	-	2.04	109.3	26.6	180.2	1,192	-	-	-
4/9/23	4-John Deere	-	-	-	6.30	-	4.0	-	-	291	-	-	-
5/26/22	W. Harvest	-	-	-	-	-	(373.4)	(81.3)	(353.7)	-	8.97	-	25.25
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/8/23	4-John Deere	-	-	-	6.17	-	3.9	-	-	285	-	-	-
6/29/23	S. Planting	-	-	-	-	-	-	-	-	-	-	-	-
7/5/23	4-John Deere	-	-	-	6.09	-	3.9	-	-	282	-	-	-
7/25/23	4-John Deere	-	-	-	5.19	-	3.3	-	-	240	-	-	-
7/25/23	Process Water	-	-	-	-	2.02	87.4	26.7	128.6	1,634	-	-	-
8/13/23	4-John Deere	-	-	-	6.22	-	3.9	-	-	288	-	-	-
8/30/23	4-John Deere	-	-	-	6.12	-	3.9	-	-	283	-	-	-
9/17/23	4-John Deere	-	-	-	6.20	-	3.9	-	-	287	-	-	-
10/16/23	S. Harvest	-	-	-	-	-	(183.5)	(33.7)	(176.7)	-	11.20	-	21.55
Totals:		13.0		0	52.70	6.07	(111)	102	518	6,439	20.17	0	46.80

Field Name/Number: 4Acres: 77.00

	Total N (lbs/ac)	Total P (lbs/ac)	Total K Lbs/ac)	Total Salts (lbs/ac)
Nutrients Applied	446.2	94.8	869.9	6438.8
Nutrients Removed at Harvest	-556.9	-50.2	-440.3	0.0
Nutrient Balance	-110.7	44.6	429.6	6438.8

Winter Nitrogen Crop App / Use Ratio: 0.89 Summer Nitrogen Crop App / Use Ratio: 1.29Field Name/Number: 4 Acres: 77

Winter Crop Nutrient Summary :	Wheat, Silage		N		
	Applied				
W. Manure App.	13.0	T/Ac	108.2	315.1	673.9
W. Comm Fert App.	-	lbs/Ac	-	-	-
Process Water	Q1	4.0	Ac In /Ac	217.1	121.0
	Q2	-	Ac In /Ac	-	-
Well Water		-	Ac In /Ac	-	-
Canal		-	Ac In /Ac	-	-
Atm. Depos.	Yes		7.0		
W. Planting	11/10/22				
W. Harvest	5/26/22	25.2	T/Ac	(373.4)	(186.1)
					(424.4)

Summer Crop Nutrient Summary :	Corn, Silage		N		
	Applied				
S. Manure App.	-	T/Ac	-	-	-
S. Comm Fert App.	-	lbs/Ac	-	-	-
Process Water	Q2	-	Ac In /Ac	-	-
	Q3	2.0	Ac In /Ac	87.4	61.2
	Q4	-	Ac In /Ac	-	-
Well Water		52.7	Ac In /Ac	141.6	
Canal		-	Ac In /Ac	-	-
Atm. Depos.	Yes		7.0		
S. Planting	6/29/23				
S. Harvest	10/16/23	21.5	T/Ac	(183.5)	(77.2)
					(212.1)

Nutrient Applications

Field Name/Number:

5

Acres:

76.00

Field Name/Number: 5Acres: 76.00

	Total N (lbs/ac)	Total P (lbs/ac)	Total K Lbs/ac)	Total Salts (lbs/ac)
Nutrients Applied	567.0	105.7	956.1	8954.4
Nutrients Removed at Harvest	-617.8	-58.6	-549.1	0.0
Nutrient Balance	-50.8	47.1	407.0	8954.4

Winter Nitrogen Crop App / Use Ratio: 0.85 Summer Nitrogen Crop App / Use Ratio: 1.11Field Name/Number: 5 Acres: 76

Winter Crop Nutrient Summary :	Wheat, Silage Applied		N		
W. Manure App.	13.8	T/Ac	115.1	335.3	716.9
W. Comm Fert App.	-	lbs/Ac	-	-	-
Process Water	Q1	3.6	Ac In /Ac	194.8	108.6
	Q2	-	Ac In /Ac	-	-
Well Water		16.6	Ac In /Ac	31.5	
Canal		-	Ac In /Ac	-	
Atm. Depos.		Yes		7.0	
W. Planting	11/11/22				
W. Harvest	5/24/23	24.9	T/Ac	(408.5)	(210.5)
					(520.9)

Summer Crop Nutrient Summary :	Corn, Silage Applied		N		
S. Manure App.	-	T/Ac	-	-	-
S. Comm Fert App.	-	lbs/Ac	-	-	-
Process Water	Q2	-	Ac In /Ac	-	-
	Q3	3.7	Ac In /Ac	158.7	111.0
	Q4	-	Ac In /Ac	-	-
Well Water		35.1	Ac In /Ac	66.8	
Canal		-	Ac In /Ac	-	
Atm. Depos.		Yes		7.0	
S. Planting	6/20/23				
S. Harvest	10/18/23	24.5	T/Ac	(209.2)	(97.2)
					(272.9)

Nutrient Applications

Field Name/Number:

6

Acres:

76.00

Field Name/Number: 6Acres: 76.00

Nutrients Applied	Total N (lbs/ac)	Total P (lbs/ac)	Total K Lbs/ac)	Total Salts (lbs/ac)
Nutrients Applied	604.0	167.8	1248.9	7214.5
Nutrients Removed at Harvest	-604.2	-58.3	-494.6	0.0
Nutrient Balance	-0.2	109.4	754.3	7214.5

Winter Nitrogen Crop App / Use Ratio: 0.89 Summer Nitrogen Crop App / Use Ratio: 1.23

Field Name/Number: 6 Acres: 76

Winter Crop	Wheat, Silage		N		
Nutrient Summary :	Applied				
W. Manure App.	13.2	T/Ac	109.6	319.3	682.7
W. Comm Fert App.	-	lbs/Ac	-	-	-
Process Water	Q1	3.9	Ac In /Ac	209.6	116.8
	Q2	-	Ac In /Ac	-	-
Well Water		16.7	Ac In /Ac	7.6	-
Canal		-	Ac In /Ac	-	-
Atm. Depos.	Yes			7.0	-
W. Planting	11/8/22				
W. Harvest	5/24/23	24.3	T/Ac	(373.1)	(187.5)
					(483.2)

Summer Crop	Corn, Silage		N		
Nutrient Summary :	Applied				
S. Manure App.	10.5	T/Ac	92.6	326.4	411.2
S. Comm Fert App.	-	lbs/Ac	-	-	-
Process Water	Q2	-	Ac In /Ac	-	-
	Q3	3.9	Ac In /Ac	168.4	117.8
	Q4	-	Ac In /Ac	-	-
Well Water		35.7	Ac In /Ac	16.2	-
Canal		-	Ac In /Ac	-	-
Atm. Depos.	Yes			7.0	-
S. Planting	6/28/23				
S. Harvest	10/17/23	25.4	T/Ac	(231.1)	(118.5)
					(231.8)

Nutrient Applications

Field Name/Number:

9-10.

Acres: 74.00

Field Name/Number: 9-10.Acres: 74.00

	Total N (lbs/ac)	Total P (lbs/ac)	Total K Lbs/ac)	Total Salts (lbs/ac)
Nutrients Applied	611.0	149.7	1110.5	8385.7
Nutrients Removed at Harvest	-545.5	-43.5	-456.7	0.0
Nutrient Balance	65.5	106.3	653.8	8385.7

Winter Nitrogen Crop App / Use Ratio: 1.08 Summer Nitrogen Crop App / Use Ratio: 1.22Field Name/Number: 9-10. Acres: 74

Winter Crop	Wheat, Silage				
Nutrient Summary :	Applied		N		
W. Manure App.		10.1	T/Ac	84.4	245.9
W. Comm Fert App.		-	lbs/Ac	-	-
Process Water	Q1	3.7	Ac In /Ac	200.7	111.9
	Q2	-	Ac In /Ac	-	-
Well Water		17.0	Ac In /Ac	23.8	
Canal		-	Ac In /Ac	-	
Atm. Depos.		Yes		7.0	
W. Planting	11/7/22				
W. Harvest	5/23/23	24.1	T/Ac	(291.7)	(121.9)
					(385.5)

Summer Crop	Corn, Silage				
Nutrient Summary :	Applied		N		
S. Manure App.		10.1	T/Ac	89.2	314.3
S. Comm Fert App.		-	lbs/Ac	-	-
Process Water	Q2	-	Ac In /Ac	-	-
	Q3	3.8	Ac In /Ac	162.5	113.7
	Q4	-	Ac In /Ac	-	-
Well Water		35.9	Ac In /Ac	50.4	
Canal		-	Ac In /Ac	-	
Atm. Depos.		Yes		7.0	
S. Planting	6/25/23				
S. Harvest	10/14/23	26.7	T/Ac	(253.8)	(106.4)
					(274.7)

Nutrient Applications

Field Name/Number:

2A (8 Ball)

Acres:

78.00

Field Name/Number: 2A (8 Ball)Acres: 78.00

	Total N (lbs/ac)	Total P (lbs/ac)	Total K Lbs/ac)	Total Salts (lbs/ac)
Nutrients Applied	80.1	0.0	0.0	0.0
Nutrients Removed at Harvest	-151.5	-4.4	-57.8	0.0
Nutrient Balance	-71.5	-4.4	-57.8	0.0

Winter Nitrogen Crop App / Use Ratio: 1.10 Summer Nitrogen Crop App / Use Ratio: #N/AField Name/Number: 2A (8 Ball) Acres: 78

Winter Crop	Wheat, Baled		N
Nutrient Summary :	Applied		
W. Manure App.	-	T/Ac	-
W. Comm Fert App.	80.0	lbs/Ac	80.0
Process Water	Q1	- Ac In /Ac	-
	Q2	- Ac In /Ac	-
Well Water		- Ac In /Ac	80.0
Canal		25.0 Ac In /Ac	0.1
Atm. Depos.	Yes		7.0
W. Planting	11/4/22		
W. Harvest	6/15/23	4.1 T/Ac	(151.5) (23.0) (83.5)

Summer Crop	S. Fallow		N
Nutrient Summary :	Applied		
S. Manure App.	-	T/Ac	-
S. Comm Fert App.	-	lbs/Ac	-
Process Water	Q2	- Ac In /Ac	-
	Q3	- Ac In /Ac	-
	Q4	- Ac In /Ac	-
Well Water		- Ac In /Ac	-
Canal		- Ac In /Ac	-
Atm. Depos.	Yes		7.0
S. Planting	#N/A		
S. Harvest	-	#N/A T/Ac	#N/A #N/A #N/A

Nutrient Applications

Field Name/Number: 2B (8 Ball Lease)

Acres: 78.00

Date	Event / Source	Dry Manure Applied (tons/ac)	Moist. %	Chem Fert total lbs	Fresh Water Applied (ac-in/ac)	Lagoon Water Applied (ac-in/ac)	Lab Sample Data					Yield	
							N (lbs/Ac)	Total P (lbs/Ac)	Total K (lbs/Ac)	Salt (Lbs/Ac)	TPS	%	Expected Yield (tons/ac)
-	-	-	-	-	-	-	-	-	-	-	-	-	-
W. Fallow	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals:		0.0		0	0.00	0.00	-	-	-	-	0.00	0	0.00

Field Name/Number: 2B (8 Ball Lease)Acres: 78.00

	Total N (lbs/ac)	Total P (lbs/ac)	Total K Lbs/ac)	Total Salts (lbs/ac)
Nutrients Applied	0.0	0.0	0.0	0.0
Nutrients Removed at Harvest	0.0	0.0	0.0	0.0
Nutrient Balance	0.0	0.0	0.0	0.0

Winter Nitrogen Crop App / Use Ratio: #N/A Summer Nitrogen Crop App / Use Ratio: #N/A

Field Name/Number: 2B (8 Ball Lease) Acres: 78

Winter Crop	W. Fallow	N			
Nutrient Summary :	Applied				
W. Manure App.	-	T/Ac	-	-	-
W. Comm Fert App.	-	lbs/Ac	-	-	-
Process Water	Q1	- Ac In /Ac	-	-	-
	Q2	- Ac In /Ac	-	-	-
Well Water		- Ac In /Ac	-	-	-
Canal		- Ac In /Ac	-	-	-
Atm. Depos.	Yes		7.0		
W. Planting	#N/A				
W. Harvest	1/1/2000	#N/A	T/Ac	#N/A	#N/A

Summer Crop	S. Fallow	N			
Nutrient Summary :	Applied				
S. Manure App.	-	T/Ac	-	-	-
S. Comm Fert App.	-	lbs/Ac	-	-	-
Process Water	Q2	- Ac In /Ac	-	-	-
	Q3	- Ac In /Ac	-	-	-
	Q4	- Ac In /Ac	-	-	-
Well Water		- Ac In /Ac	-	-	-
Canal		- Ac In /Ac	-	-	-
Atm. Depos.	Yes		7.0		
S. Planting	#N/A				
S. Harvest	-	#N/A	T/Ac	#N/A	#N/A

Nutrient Applications

Field Name/Number:

3B (8 Ball)

Acres:

78.00

Field Name/Number: 3B (8 Ball)Acres: 78.00

Nutrients Applied	Total N (lbs/ac)	Total P (lbs/ac)	Total K Lbs/ac)	Total Salts (lbs/ac)
Nutrients Removed at Harvest	100.1	0.0	0.0	0.0
Nutrient Balance	-180.9	-4.6	-70.7	0.0
	-80.8	-4.6	-70.7	0.0

Winter Nitrogen Crop App / Use Ratio: 1.14Summer Nitrogen Crop App / Use Ratio: #N/AField Name/Number: 3B (8 Ball) Acres: 78

Winter Crop	Wheat, Baled	Nutrient Summary : Applied			N
W. Manure App.	-	T/Ac	-	-	-
W. Comm Fert App.	100.0	lbs/Ac	100.0		
Process Water	Q1	- Ac In /Ac	-	-	-
	Q2	- Ac In /Ac	-	-	-
Well Water		- Ac In /Ac	100.0		
Canal	25.0	Ac In /Ac	0.1		
Atm. Depos.	Yes		7.0		
W. Planting	11/6/22				
W. Harvest	6/16/23	4.0 T/Ac	(180.9)	(24.2)	(102.2)

Summer Crop	S. Fallow	Nutrient Summary : Applied			N
S. Manure App.	-	T/Ac	-	-	-
S. Comm Fert App.	-	lbs/Ac	-	-	-
Process Water	Q2	- Ac In /Ac	-	-	-
	Q3	- Ac In /Ac	-	-	-
	Q4	- Ac In /Ac	-	-	-
Well Water		- Ac In /Ac	-		
Canal		- Ac In /Ac	-		
Atm. Depos.	Yes		7.0		
S. Planting	#N/A				
S. Harvest	-	#N/A T/Ac	#N/A	#N/A	#N/A

Nutrient Applications

Field Name/Number:

3S (8 Ball)

Acres:

78.00

Field Name/Number: 3S (8 Ball)Acres: 78.00

	Total N (lbs/ac)	Total P (lbs/ac)	Total K Lbs/ac)	Total Salts (lbs/ac)
Nutrients Applied	85.5	47.4	368.1	0.0
Nutrients Removed at Harvest	-82.1	-2.0	-28.0	0.0
Nutrient Balance	3.4	45.4	340.2	0.0

Winter Nitrogen Crop App / Use Ratio: 1.13 Summer Nitrogen Crop App / Use Ratio: #N/AField Name/Number: 3S (8 Ball) Acres: 78

Winter Crop	Wheat, Baled	N			
Nutrient Summary :	Applied				
W. Manure App.	10.3	T/Ac	85.4	248.9	532.2
W. Comm Fert App.	-	lbs/Ac	-	-	-
Process Water	Q1	- Ac In /Ac	-	-	-
	Q2	- Ac In /Ac	-	-	-
Well Water		- Ac In /Ac	-	-	-
Canal	25.2	Ac In /Ac	0.1	-	-
Atm. Depos.	Yes		7.0	-	-
W. Planting	11/4/22				
W. Harvest	6/16/23	2.0 T/Ac	(82.1)	(10.4)	(40.4)

Summer Crop	S. Fallow	N			
Nutrient Summary :	Applied				
S. Manure App.	-	T/Ac	-	-	-
S. Comm Fert App.	-	lbs/Ac	-	-	-
Process Water	Q2	- Ac In /Ac	-	-	-
	Q3	- Ac In /Ac	-	-	-
	Q4	- Ac In /Ac	-	-	-
Well Water		- Ac In /Ac	-	-	-
Canal		- Ac In /Ac	-	-	-
Atm. Depos.	Yes		7.0	-	-
S. Planting	#N/A				
S. Harvest	-	#N/A T/Ac	#N/A	#N/A	#N/A

Nutrient Applications

Field Name/Number:

4A (8 Ball)

Acres:

78.00

Field Name/Number: 4A (8 Ball) Acres: 78.00

	Total N (lbs/ac)	Total P (lbs/ac)	Total K Lbs/ac)	Total Salts (lbs/ac)
Nutrients Applied	80.1	0.0	0.0	0.0
Nutrients Removed at Harvest	-137.2	-3.5	-48.1	0.0
Nutrient Balance	-57.1	-3.5	-48.1	0.0

Winter Nitrogen Crop App / Use Ratio: 1.22 Summer Nitrogen Crop App / Use Ratio: #N/A

Field Name/Number: 4A (8 Ball) Acres: 78

Winter Crop	Wheat, Baled		N		
Nutrient Summary :	Applied				
W. Manure App.	-	T/Ac	-	-	-
W. Comm Fert App.	80.0	lbs/Ac	80.0		
Process Water	Q1	- Ac In /Ac	-	-	-
	Q2	- Ac In /Ac	-	-	-
Well Water		- Ac In /Ac	80.0		
Canal		25.1 Ac In /Ac	0.1		
Atm. Depos.	Yes		7.0		
W. Planting	11/6/22				
W. Harvest	6/15/23	3.5 T/Ac	(137.2)	(18.3)	(69.5)

Summer Crop	S. Fallow		N		
Nutrient Summary :	Applied				
S. Manure App.	-	T/Ac	-	-	-
S. Comm Fert App.	-	lbs/Ac	-	-	-
Process Water	Q2	- Ac In /Ac	-	-	-
	Q3	- Ac In /Ac	-	-	-
	Q4	- Ac In /Ac	-	-	-
Well Water		- Ac In /Ac	-		
Canal		- Ac In /Ac	-		
Atm. Depos.	Yes		7.0		
S. Planting	#N/A				
S. Harvest	-	#N/A T/Ac	#N/A	#N/A	#N/A

Nutrient Applications

Field Name/Number:

45 (8 Ball Lease)

Acres:

78.00

Field Name/Number: 4S (8 Ball Lease)Acres: 78.00

Nutrients Applied	Total N (lbs/ac)	Total P (lbs/ac)	Total K Lbs/ac)	Total Salts (lbs/ac)
Nutrients Removed at Harvest	0.0	0.0	0.0	0.0
Nutrient Balance	0.0	0.0	0.0	0.0

Winter Nitrogen Crop App / Use Ratio: #N/A Summer Nitrogen Crop App / Use Ratio: #N/A

Field Name/Number: 4S (8 Ball Lease) Acres: 78

Winter Crop	W. Fallow	Nutrient Summary :		
		Applied	N	
W. Manure App.	-	T/Ac	-	-
W. Comm Fert App.	-	lbs/Ac	-	-
Process Water	Q1	- Ac In /Ac	-	-
	Q2	- Ac In /Ac	-	-
Well Water		- Ac In /Ac	-	-
Canal		- Ac In /Ac	-	-
Atm. Depos.	Yes		7.0	
W. Planting	#N/A			
W. Harvest	1/1/2000	#N/A	T/Ac	#N/A
			#N/A	#N/A

Summer Crop	S. Fallow	Nutrient Summary :		
		Applied	N	
S. Manure App.	-	T/Ac	-	-
S. Comm Fert App.	-	lbs/Ac	-	-
Process Water	Q2	- Ac In /Ac	-	-
	Q3	- Ac In /Ac	-	-
	Q4	- Ac In /Ac	-	-
Well Water		- Ac In /Ac	-	-
Canal		- Ac In /Ac	-	-
Atm. Depos.	Yes		7.0	
S. Planting	#N/A			
S. Harvest	-	#N/A	T/Ac	#N/A
			#N/A	#N/A

Nutrient Applications

Field Name/Number:

7

Acres:

36.00

Field Name/Number: 7Acres: 36.00

Nutrients Applied	Total N (lbs/ac)	Total P (lbs/ac)	Total K lbs/ac)	Total Salts (lbs/ac)
Nutrients Removed at Harvest	-227.5	-38.2	-247.0	0.0
Nutrient Balance	-191.9	-38.2	-247.0	1817.7

Winter Nitrogen Crop App / Use Ratio: 0.19 Summer Nitrogen Crop App / Use Ratio: #N/AField Name/Number: 7 Acres: 36

Winter Crop	Trees, Almonds		N
Nutrient Summary :	Applied		
W. Manure App.	-	T/Ac	-
W. Comm Fert App.	-	lbs/Ac	-
Process Water	Q1	- Ac In /Ac	-
	Q2	- Ac In /Ac	-
Well Water		39.3 Ac In /Ac	35.6
Canal		- Ac In /Ac	-
Atm. Depos.	Yes		7.0
W. Planting	1/1/16		
W. Harvest	11/1/23	1.8 T/Ac	(227.5) (200.4) (357.0)

Summer Crop	Trees, Almonds		N
Nutrient Summary :	Applied		
S. Manure App.	-	T/Ac	-
S. Comm Fert App.	-	lbs/Ac	-
Process Water	Q2	- Ac In /Ac	-
	Q3	- Ac In /Ac	-
	Q4	- Ac In /Ac	-
Well Water		- Ac In /Ac	-
Canal		- Ac In /Ac	-
Atm. Depos.	#N/A		#N/A
S. Planting	#N/A	#N/A	T/Ac
S. Harvest	#N/A	#N/A	#N/A

Nutrient Applications

Field Name/Number:

8

Acres:

37.00

Field Name/Number: 8Acres: 37.00

	Total N (lbs/ac)	Total P (lbs/ac)	Total K Lbs/ac)	Total Salts (lbs/ac)
Nutrients Applied	35.6	0.0	0.0	1815.8
Nutrients Removed at Harvest	-227.5	-38.2	-247.0	0.0
Nutrient Balance	-191.9	-38.2	-247.0	1815.8

Winter Nitrogen Crop App / Use Ratio: 0.19 Summer Nitrogen Crop App / Use Ratio: #N/A

Field Name/Number: 8 Acres: 37

Winter Crop	Trees, Almonds		Applied	N
Nutrient Summary :	W. Manure App.	W. Comm Fert App.		
Process Water	Q1	-	T/Ac	-
	Q2	-	Ibs/Ac	-
Well Water		39.3	Ac In /Ac	35.6
Canal		-	Ac In /Ac	-
Atm. Depos.	Yes			7.0
W. Planting	1/1/16			
W. Harvest	11/1/23	1.8	T/Ac	(227.5) (200.4) (357.0)

Summer Crop	Trees, Almonds		Applied	N
Nutrient Summary :	S. Manure App.	S. Comm Fert App.		
Process Water	Q2	-	T/Ac	-
	Q3	-	Ibs/Ac	-
	Q4	-	Ac In /Ac	-
Well Water		-	Ac In /Ac	-
Canal		-	Ac In /Ac	-
Atm. Depos.	#N/A			#N/A
S. Planting	#N/A			
S. Harvest	#N/A	#N/A	T/Ac	#N/A #N/A #N/A

Nutrient Applications

Field Name/Number:

11

Acres:

3.00

Dry Weight
As Received

Field Name/Number: 11Acres: 3

	Total N (lbs/ac)	Total P (lbs/ac)	Total K Lbs/ac)	Total Salts (lbs/ac)
Nutrients Applied	0.1	0.0	0.0	0.0
Nutrients Removed at Harvest	-227.5	-87.5	-297.5	0.0
Nutrient Balance	-227.4	-87.5	-297.5	0.0

Winter Nitrogen Crop App / Use Ratio: 0.03 Summer Nitrogen Crop App / Use Ratio: #N/AField Name/Number: 11 Acres: 3

Winter Crop	Trees, Almonds		N
Nutrient Summary :	Applied		
W. Manure App.	-	T/Ac	-
W. Comm Fert App.	-	Ibs/Ac	-
Process Water	Q1	- Ac In /Ac	-
	Q2	- Ac In /Ac	-
Well Water		- Ac In /Ac	-
Canal	39.4	Ac In /Ac	0.1
Atm. Depos.	Yes		7.0
W. Planting	1/1/05		
W. Harvest	11/1/23	1.8 T/Ac	(227.5) (200.4) (357.0)

Summer Crop	Trees, Almonds		N
Nutrient Summary :	Applied		
S. Manure App.	-	T/Ac	-
S. Comm Fert App.	-	Ibs/Ac	-
Process Water	Q2	- Ac In /Ac	-
	Q3	- Ac In /Ac	-
	Q4	- Ac In /Ac	-
Well Water		- Ac In /Ac	0
Canal		- Ac In /Ac	-
Atm. Depos.	#N/A		#N/A
S. Planting	#N/A		
S. Harvest	#N/A	#N/A T/Ac	#N/A #N/A #N/A

Nutrient Applications

Field Name/Number:

12

Acres:

3.00

Date	Event / Source	Dry Manure Applied (tons/ac)	Moist. %	Chem Fert total lbs	Fresh Water Applied (ac-in/ac)	Lagoon Water Applied (ac-in/ac)	Lab Sample Data					Yield	
							N (lbs/Ac)	Total P (lbs/Ac)	Total K (lbs/Ac)	Salt (Lbs/Ac)	TFS %	Expected Yield (tons/ac)	Actual Yield (tons/ac)
1/1/05	W. Planting	-	-	-	-	-	-	-	-	-	-	-	-
3/11/23	Canal	-	-	-	1.86	-	0.0	-	-	-	-	-	-
4/3/23	Canal	-	-	-	3.00	-	0.0	-	-	-	-	-	-
5/10/23	Canal	-	-	-	6.54	-	0.0	-	-	-	-	-	-
6/5/23	Canal	-	-	-	6.80	-	0.0	-	-	-	-	-	-
7/8/23	Canal	-	-	-	7.25	-	0.0	-	-	-	-	-	-
8/1/23	Canal	-	-	-	6.27	-	0.0	-	-	-	-	-	-
9/4/23	Canal	-	-	-	4.77	-	0.0	-	-	-	-	-	-
10/12/23	Canal	-	-	-	2.92	-	0.0	-	-	-	-	-	-
11/1/23	W. Harvest	-	-	-	-	-	(227.5)	(87.5)	(297.5)	-	-	1.75	
Totals:		0.0		0	39.41	0.00	(227)	(88)	(298)	-	0.00	0	1.75

Field Name/Number: 12Acres: 3.00

Nutrients Applied	Total N (lbs/ac)	Total P (lbs/ac)	Total K (lbs/ac)	Total Salts (lbs/ac)
Nutrients Removed at Harvest	0.1	0.0	0.0	0.0
Nutrient Balance	-227.5	-38.2	-247.0	0.0
	-227.4	-38.2	-247.0	0.0

Winter Nitrogen Crop App / Use Ratio: 0.03 Summer Nitrogen Crop App / Use Ratio: #N/AField Name/Number: 12 Acres: 3

Winter Crop	Trees, Almonds	Nutrient Summary : Applied			N
W. Manure App.	-	T/Ac	-	-	-
W. Comm Fert App.	-	lbs/Ac	-	-	-
Process Water	Q1	- Ac In /Ac	-	-	-
	Q2	- Ac In /Ac	-	-	-
Well Water		- Ac In /Ac	-	-	-
Canal	39.4	Ac In /Ac	0.1		
Atm. Depos.	Yes		7.0		
W. Planting	1/1/05				
W. Harvest	11/1/23	1.8 T/Ac	(227.5)	(200.4)	(357.0)

Summer Crop	Trees, Almonds	Nutrient Summary : Applied			N
S. Manure App.	-	T/Ac	-	-	-
S. Comm Fert App.	-	lbs/Ac	-	-	-
Process Water	Q2	- Ac In /Ac	-	-	-
	Q3	- Ac In /Ac	-	-	-
	Q4	- Ac In /Ac	-	-	-
Well Water		- Ac In /Ac	-	-	-
Canal		- Ac In /Ac	-	-	-
Atm. Depos.	#N/A		#N/A		
S. Planting	#N/A				
S. Harvest	#N/A	#N/A T/Ac	#N/A	#N/A	#N/A

Nutrient Applications

Field Name/Number:

8 Ball-1

Acres:

155,00

Field Name/Number: 8 Ball-1Acres: 155.00

Nutrients Applied	Total N (lbs/ac)	Total P (lbs/ac)	Total K Lbs/ac)	Total Salts (lbs/ac)
Nutrients Applied	0.1	0.0	0.0	0.0
Nutrients Removed at Harvest	-98.4	-6.4	-89.8	0.0
Nutrient Balance	-98.3	-6.4	-89.8	0.0

Winter Nitrogen Crop App / Use Ratio: 0.07 Summer Nitrogen Crop App / Use Ratio: #N/A

Field Name/Number: 8 Ball-1 Acres: 155

Winter Crop	Trees, Pistachios		N
Nutrient Summary :	Applied		
W. Manure App.	-	T/Ac	-
W. Comm Fert App.	-	lbs/Ac	-
Process Water	Q1	- Ac In /Ac	-
	Q2	- Ac In /Ac	-
Well Water		- Ac In /Ac	-
Canal	34.3	Ac In /Ac	0.1
Atm. Depos.	Yes		7.0
W. Planting	1/1/11		
W. Harvest	11/1/23	1.8 T/Ac	(98.4) (33.7) (129.8)

Summer Crop	Trees, Pistachios		N
Nutrient Summary :	Applied		
S. Manure App.	-	T/Ac	-
S. Comm Fert App.	-	lbs/Ac	-
Process Water	Q2	- Ac In /Ac	-
	Q3	- Ac In /Ac	-
	Q4	- Ac In /Ac	-
Well Water		- Ac In /Ac	-
Canal		- Ac In /Ac	-
Atm. Depos.	#N/A		#N/A
S. Planting	#N/A		
S. Harvest	#N/A	#N/A T/Ac	#N/A #N/A #N/A

Notes

Without allowance for the significant amount of rainfall during the winter months of 2022/2023, the irrigation logs on each field page of the annual report, reflect canal and/or well used only during that time frame. The facility did not irrigate during the "Significant Storm Events".

It is inaccurate to present "salt" application without acknowledging that there is substantial uptake and utilization of "salts" by crops. If it is possible to calculate "salt" application, it is also possible to calculate "salt" utilization. That calculation should be included in this report. To calculate "salt" utilization is a lengthy process and cannot be done with the constituents required in the Revised General Order sampling requirements.

The signature(s) affixed to this report does not affirmatively refer to those references to "salt" that we know to be incorrect.

P D _____
(Initial)

Exception Reporting

Manure , Process Water and Other Dairy Waste Discharges:

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

No, manure or process water discharges occurred during the reporting period

Storm Water Discharges:

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

No, storm water discharges occurred during the reporting period

Land Application Area To Surface Water Discharges:

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

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

Nutrient Management Plan (NMP) & Written Agreement Statement

Nutrient Management Plan Statement:

Was the facility NMP updated in the reporting period?

Yes

Was the facility's NMP developed and approved by a certified nutrient management specialist?

No

Written Agreements:

Are there any written agreements with third parties to receive manure or process water that are new or were revised within the reporting period?

No

Owner and/or Operator Certification

*I certify under penalty of law that all information submitted as part of this document is accurate and true. Certification signatures by a California Registered Professional have been supplied as needed in Part II. I have personally examined and am familiar with the information submitted in Parts I and II of this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.



Signature of Owner or Facility

Peter John & Agnes de Jong

Print Name

Same as owner

Print Name

4-14-24

Date

Manure/Process Wastewater Tracking Manifest For Existing Milk Cow Dairies

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: Pete DeJong

Name of Dairy Facility: Dairy Holsteins

Facility Address: 18041 Palm Ave.

Number and Street

Shafter

93263

City Zip Code

Contact Person Name: Pete DeJong

Name

661-619-1218

Phone Number

Manure/Process Wastewater Hauler Information:

Name of Hauling Company/Person: Western Ag Services Inc.

Address of Hauling Company/Person: P.O. Box 82553, Shafter 93263

Number and Street

City

Zip Code

Contact Person: Torben Huetgert

Name

661 303-6737

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):

P.S.I. Recycling 1101 Hwy 178 Shafter 93308 661-313-8604

Name

Number and Street

City

Zip Code

Phone Number

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

Number and Street

City

Zip Code

Assessor's Parcel Number

Dates Hauled: 11/11/23 - 12/11/23

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: 861.27 Tons or Cubic Yards (Indicate which units used)

> Manure Moisture %: _____

> 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. FBS-2007-0035) 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: Pete DeJong

Date: 2-12-23

Hauler's Signature: Jay Wipf

Date: 2-12-23

Manure/Process Wastewater Tracking Manifest For Existing Milk Cow Dairies

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/healing 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: Pete DeJong

Name of Dairy Facility: Dairy Holsteins

Facility Address: 18041 Palmer Ave.

Number and Street

Shafter

City

93263

Zip Code

Contact Person Name: Pete DeJong

Name

161-169-1218

Phone Number

Manure/Process Wastewater Hauler Information:

Name of Hauling Company/Person: Western Ag Services, Inc.

Address of Hauling Company/Person: P.O. Box 82553, Pakersfield

Number and Street

City

Zip Code

Contact Person: Toren Jurgens

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):

Hill Ranch

Name

Number and Street

Bethelville

City

93264

Zip Code

Phone Number

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

Number and Street

City

Zip Code

Assessor's Parcel Number

Dates Hauled: 4/10/23 - 4/11/23

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: 751.18 (Tons or Cubic Yards (indicate which units used))

> Manure Moisture %: _____

> 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. RS-2007-D035) 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: Pete DeJong

Date: 4-15-23

Hauler's Signature: JM

Date: 4-15-23

Manure/Process Wastewater Trucking Manifest For Existing Milk Cow Dairies

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- 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-hauling yard-to-yard tracking manifest(s) with the Annual Monitoring Report for Existing Milk Cow Dairies.

Generator Information:

Name of Operator: Pete DeVine

Name of Dairy Facility: Doris Holsteins

Facility Address: 18041 Palms Av. Soffer 93263
Number and Street City Zip Code

Contact Person Name: Pete DeTineo File # W-1-1619-1218
Name _____ Phone Number _____

Major Projects Waterway Hauler Information:

Name of Heating Company/Person: Western Ag Services, Inc.

Address of Hauling Company /Person: P.O. Box 82553, Bakersfield 93380

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Destination Information

Composting Facility / Broker / Transporter / Other (Identify) _____ (please circle one)

Contact Information of : Composting Facility, Broker, Farmer, or Other (as Identified above):

Wheeler Beach Bulverstield 93314
Name Number and Street City Zip Code Phone Number

Manually Process Workflows for Destination Address or Assessor's Parcel Number:

Number and Street: _____ **City:** _____ **Zip Code:** _____ **Assessor's Parcel Number:** _____

Dates Hunted: 7/10/12 - 7/10/13

Amount Received:

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

1. Manure: 154 18 Tons or Cubic Yards (Indicate which units used)
2. Manure Moisture %: _____
3. 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. RE-2007-0033) with any party that receives process wastewater from the Operator for its own use? (please check one)

If the answer is no, the Operator agrees to have such a written agreement with any such party for any interests withdrawn after 31 December

(Organizer shall provide [REDACTED] hours for conducting this conference and)

Generation:

I declare under the penalty of perjury 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: John Doe Date: 7-18-23

Date 7/18/23

Hauler's Signature: _____ Date: F-1-23

Page 2-18-13

Manure/Process Wastewater Tracking Manifest For Existing Milk Cow Dairies

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: Pete DeJong

Name of Dairy Facility: Cassis Holsteins

Facility Address: 18041 Palmer Ave. Sigler 93263
Number and Street City Zip Code

Contact Person Name: Pete DeJong 1611-1619-1218
Name Phone Number

Manure/Process Wastewater Hauler Information:

Name of Hauling Company/Person: Western Ag Services, Inc.

Address of Hauling Company/Person: Po Box 82553, Bakersfield 93380
Number and Street City Zip Code

Contact Person: Torben Jorgenson 1611-1619-1218
Name Phone Number

Destination Information:

Composting Facility / Broker / Farmer / Other (check one) (please circle one)

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

Linda Bruch 17071 Kyte Rd Bakersfield 93308
Name Number and Street City Zip Code Phone Number

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

Number and Street	City	Zip Code	Assessor's Parcel Number
-------------------	------	----------	--------------------------

Date Hauled: 4/11/23 - 4/17/23

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: 432.61 Tons or Cubic Yards (Indicate which units used)
- > Manure Moisture %: _____
- > 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 R5-2007-0035) 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: Pete DeJong Date: 4-18-23

Hauler's Signature: Jorgenson Date: 4-18-23

Manure/Process Wastewater Tracking Manifest For Existing Milk Cow Dairies

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: Pete DeJong

Name of Dairy Facility: Dairy Holsteins

Facility Address: 19041 Rd 11 Ave.

Number and Street

Shafter

93263

City Zip Code

Contact Person Name: Pete DeJong

Name

Wet-1619-1218

Phone Number

Manure/Process Wastewater Hauler Information:

Name of Hauling Company/Person: Western Ag Services Inc.

Address of Hauling Company /Person: P.O. Box 82553, Bakersfield

Number and Street

City

Zip Code

93380

Contact Person: Jergen Sundgren

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):

Private Farm

Name

Number and Street

Shafter

City

93263

Zip Code

Phone Number

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

Number and Street

City

Zip Code

Assessor's Parcel Number

Date Hauled: 4/21/23

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: 478 1/2 Tons or Cubic Yards (Indicate which units used)

> Manure Moisture %: _____

> 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. RS-2007-0036] 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: Pete DeJong

Date: 4-26-23

Hauler's Signature: Jergen Sundgren

Date: 4-26-23

Manure/Process Wastewater Tracking Manifest For Existing Milk Cow Dairies

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: Pete DeTong

Name of Dairy Facility: Dous Holsteins

Facility Address: 18041 Palml Ave.
Number and Street

Slyter
City

93263
Zip Code

Contact Person Name: Pete DeTong
Name

161-1619-1218
Phone Number

Manure/Process Wastewater Hauler Information:

Name of Hauling Company/Person: Western Ag Services, Inc.

Address of Hauling Company/Person: P.O. Box 82553, Bakersfield, CA 93380
Number and Street

City Zip Code

Contact Person: Troyen Huizinga
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):

Orange St. Farm
Name Number and Street

Slyter City 93263 Zip Code

Phone Number

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

Number and Street

City

Zip Code

Assessor's Parcel Number

Dates Hauled: 1/21/23

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: 1.25 8 Tons or Cubic Yards (Indicate which units used)
- > Manure Moisture %: _____
- > 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. R5-2007-0035) 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: Pete DeTong

Date: 4-28-23

Hauler's Signature: Jay Woh

Date: 4-28-23

Manure/Wastewater Tracking Manifest For Existing Milk Cow Dairies

FreeElectrons

- 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 completed process wastewater tracking manifest(s) with the Annual Monitoring Report for Existing MS. Cow Dairies.

Operator Information:

Name of Operator: Pete De Young

Name of Dairy Facility: Doris Holsteins

Contact Person Name: Pete DeJong ID# 1601-1619-1218
Name _____ Phone Number _____

Manure/Process Wastewater Hauler Information:

Name of Billing Company/Person: Western Ap. SERVICES, INC.

Address of Hauling Company / Person: To Box 82553, Bakersfield 43380
Number and Street **City** **Zip Code**

Contact Person: Jorgen Karlsson 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):

Algonia Farm *Shaffer 9273*

Manuf/Processor/Wholesaler Destination Address or Assessor's Parcel Number:

Number and Street **City** **Zip Code** **Assessor's Parcel Number**

Date Hauled: 7/21/23 7/22/23

Amount Handled

Enter the amount of manure handled 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 156.47 Tons or Cubic-Yards (Indicate which units used)
 - > Manure Maturity % : _____
 - > Method used to determine amount of manure: _____

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

- Process Wastewater: _____ Gallons
 - Method used to determine volume of process wastewater:

Written Assignments

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

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 2002 to such party.

(Operating shall provide funds from its revenues to accommodate this maximum call)

Certified Men

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: John D. Lewis Date: 4-19-23

Hauder's Signature 11/10/1993 Page 4-7P-73

Baby: SPIDER



Livingston Dairy Consulting, Inc.

FIELD ACTIVITY REPORT

Facility Name:

Oasis Dairy
18041 Palm Ave, Shafter
Kern County

2023

Sample Collection Equipment: Bottle Container

Sample Container: (Circle one)

Bottle Container: 8 fl oz 16 fl oz 32 fl oz

Sample Collection Location: (Circle one)

Discharge Pipe

Sample Collection Method: (Circle one) *All Samples are labeled with the facility name, date, contents, location and description ** Please see the Sample and Analysis Plan for more detailed descriptions.

Well: Sample taken at the Discharge Pipe, Spigot or Faucet using a sample container provided by laboratory

Sample Type:

Sample Preservation Method: (Circle one)

Ice Chest

Refrigerator

Ice Pack

March 9, 2023

Lab No. : VI 2340876
Customer No. : 4018505

Livingston Dairy Consulting, Inc
1635 E. Prosperity Suite B
Tulare, CA 93274

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
Barn-Dairy (Dom)	02/10/2023	02/10/2023	VI 2340876-001	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 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: JRD

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

Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2023-03-09

March 9, 2023

Livingston Dairy Consulting, Inc
 1635 E. Prosperity Suite B
 Tulare, CA 93274

Description : Barn-Dairy (Dom)
 Project : W-6 Oasis Dairy

Lab No. : VI 2340876-001

Customer No. : 4018505

Sampled On : February 10, 2023 at 07:43

Sampled By : MF / KC

Received On : February 10, 2023 at 10:39

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													
Nitrogen, Total Kjeldahl	ND	0.5	mg/L		1	U	02/24/2023	11:30	sta	EPA 351.2	03/01/2023	17:37	lcr
Nitrate Nitrogen	2.5	0.4	mg/L	10	1		02/15/2023	12:00	lfs	SM 4500-NO3 F	02/15/2023	14:59	lfs
Nitrogen, Total as Nitrogen	2.5	0.5	mg/L		1		02/24/2023	11:30	sta	EPA 351.2	03/01/2023	17:37	lcr
Nitrate + Nitrite as N	2.5	0.4	mg/L	10	1		02/15/2023	12:00	lfs	SM 4500-NO3 F	02/15/2023	14:59	lfs
Kjeldahl Nitrogen	ND	0.5	mg/L		1	U	02/24/2023	11:30	sta	EPA 351.2	03/01/2023	17:37	lcr
Conductivity	461	1	umhos/cm	1600 ²	1		03/01/2023	17:08	amm	SM 4500-H+B	03/01/2023	18:37	sta
Solids, Total Dissolved (TDS)	260	20	mg/L	1000 ²	1		02/14/2023	12:50	ctl	SM 2540 C	02/15/2023	12:43	ctl

DQF Flags Definition:

U Constituent results were non-detect.

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

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

March 9, 2023

Livingston Dairy Consulting, Inc.

Lab No. : VI 2340876

Customer No. : 4018505

Quality Control - Wet Chem

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
E. C.	2320B	(VI 2341105-003)	Dup	umhos/cm		0.3%	5	
Solids, Total Dissolved	2540CE	02/14/2023:201630CTL	Blank	mg/L		ND	<20	
			LCS	mg/L	990.8	98.4 %	90-110	
		(VI 2340882-003)	Dup	mg/L		1.4%	5	
		(VI 2340882-003)	Dup	mg/L		4.5%	5	
Nitrogen, Total Kjeldahl	351.2	02/24/2023:202049STA	Blank	mg/L		ND	<0.5	
			LCS	mg/L	12.00	91.2%	73-124	
			MS	mg/L	12.00	84.9%	54-136	
		(VI 2340880-001)	MSD	mg/L	12.00	83.6%	54-136	
			MSRPD	mg/L	12.00	1.5%	≤27	
			MS	mg/L	12.00	88.2%	54-136	
		(VI 2340880-002)	MSD	mg/L	12.00	89.0%	54-136	
			MSRPD	mg/L	12.00	0.8%	≤27	
Nitrate + Nitrite as N	4500NO3F	02/15/2023:201689LFS	Blank	mg/L		ND	<0.4	
			LCS	mg/L	11.22	95.3%	80-120	
			MS	mg/L	5.609	95.0%	66-125	
		(SP 2302226-001)	MSD	mg/L	5.609	94.2%	66-125	
			MSRPD	mg/L	5.609	0.6%	≤30.4	
Nitrate Nitrogen	4500NO3F	02/15/2023:201689LFS	Blank	mg/L		ND	<0.4	
			LCS	mg/L	11.22	95.3%	80-120	
			MS	mg/L	5.609	95.0%	66-125	
		(SP 2302226-001)	MSD	mg/L	5.609	94.2%	66-125	
			MSRPD	mg/L	5.609	0.6%	≤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 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.



AGRICULTURAL

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Laboratory Copy (1 of 3)

Corporate Offices & Laboratory

8853 Corporation Street
Santa Paula, CA 93060

Phone: (805) 392-2000
Env Fax: (805) 525-4172 / Ag Fax: (8

Office & Laboratory

563 E. Lindo
Chico, CA 95926

Phone: (530) 343-5811
Fax: (530) 343-3807

Office & Laboratory

~~9415 W. Goshen Aven
Visalia CA 93291~~

Phone: (559) 734-9477
Fax: (559) 734-8435

Inter-Laboratory Condition Upon Receipt (Attach to COC)

Sample Receipt at: STK CC

CH VI

1. Number of ice chests/packages received: 1 Shipping tracking # OTC

2. Were samples received in a chilled condition? Temps: 60° F / 0° C / / /

Surface water SWTR bact samples: A sample that has a temperature upon receipt of >10° C, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.

3. Do the number of bottles received agree with the COC? Yes No N/A
4. Were samples received intact? (i.e. no broken bottles, leaks etc.) Yes No
5. VOAs checked for Headspace? Yes No N/A
6. Were sample custody seals intact? Yes No N/A
7. If required, was sample split for pH analysis? Yes No N/A
8. Were all analyses within holding times at time of receipt? Yes No N/A
9. Verify sample date, time and sampler name Yes No N/A

Sign and date the COC, place in a ziplock and put in the same ice chest as the samples.

Sample Receipt Review completed by (initials): MDC

Sample Receipt at SP:

1. Were samples received in a chilled condition? Temps: 70° F / / / / /

Acceptable is above freezing to 64° C. If many packages are received at one time check for tests/H.T.'s/rushes/

2. Shipping tracking numbers: 558796176 154
195

3. Do the number of bottles received agree with the COC? Yes No N/A
4. Were samples received intact? (i.e. no broken bottles, leaks etc.) Yes No
5. Were sample custody seals intact? Yes No N/A

Sign and date the COC, obtain LIMS sample numbers, select methods/tests and print labels.

Sample Verification, Labeling and Distribution:

1. Were all requested analyses understood and acceptable? Yes No
2. Did bottle labels correspond with the client's ID's? Yes No
3. Were all bottles requiring sample preservation properly preserved? Yes No N/A FGL
[Exception: Oil & Grease, VOA and CrVI verified in lab]
4. VOAs checked for Headspace? Yes No N/A
5. Have rush or project due dates been checked and accepted? Yes No N/A
6. Were all analyses within holding times at time of receipt? Yes No N/A

Attach labels to the containers and include a copy of the COC for lab delivery.

Sample Receipt, Login and Verification completed by (initials): MDC

Discrepancy Documentation:

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted: _____ Phone Number: _____
Initiated By: _____ Date: _____
Problem:
Resolution:
2. Person Contacted: _____ Phone Number: _____
Initiated By: _____ (4018505)
Problem:
Resolution:

(Please use the back of this sheet for additional contacts)

Livingston Dairy Consulting, Inc.
VI 2340876

iv 02/13/2023 09:40:21



UT 2340876

Oasis

July 28, 2023

Lab No. : VI 2344021
Customer No. : 4018505

Livingston Dairy Consulting, Inc
1635 E. Prosperity Suite B
Tulare, CA 93274

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
Cow Well #2	06/30/2023	06/30/2023	VI 2344021-001	AGW
Gray Well #6	06/30/2023	06/30/2023	VI 2344021-002	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 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: 2023-07-31

Section: Case Narrative

Page 1 of 4

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Corporate Offices & Laboratory 653 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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July 28, 2023

Lab No. : VI 2344021-001

Customer No.: 4018505

Livingston Dairy Consulting, Inc
1635 E. Prosperity Suite B
Tulare, CA 93274

Sampled On : June 30, 2023 at 07:36

Sampled By : Marlene Ferreira

Received On : June 30, 2023 at 11:47

Matrix : Ag Water

Description : Cow Well #2
Project : W-6 Oasis Dairy

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	07/18/2023	18:20	lcr	EPA 351.2	07/24/2023	18:45	lcr
Nitrate Nitrogen	0.7	0.4	mg/L		1		07/06/2023	11:00	lfs	SM 4500-NO3 F	07/06/2023	12:54	lfs
Nitrogen, Total as Nitrogen	0.7	0.5	mg/L		1		07/18/2023	18:20	lcr	Calc.	07/24/2023	18:45	lcr
Nitrate + Nitrite as N	0.7	0.4	mg/L		1		07/06/2023	11:00	lfs	SM 4500-NO3 F	07/06/2023	12:54	lfs
Kjeldahl Nitrogen	ND	0.5	mg/L		1	U	07/18/2023	18:20	lcr	EPA 351.2	07/24/2023	18:45	lcr
Conductivity	237	1	umhos/cm		1		07/05/2023	14:10	amm	SM 4500-H+B	07/05/2023	18:29	sta
Solids, Total Dissolved (TDS)	170	10	mg/L		1		07/03/2023	14:20	ctl	SM 2540 C	07/05/2023	11:30	ctl

DQF Flags Definition:

U Constituent results were non-detect.

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

July 28, 2023

Livingston Dairy Consulting, Inc
1635 E. Prosperity Suite B
Tulare, CA 93274

Description : Gray Well #6
Project : W-6 Oasis Dairy

Lab No. : VI 2344021-002
Customer No. : 4018505

Sampled On : June 30, 2023 at 07:42
Sampled By : Marlene Ferreira
Received On : June 30, 2023 at 11:47
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	07/18/2023	18:20	lcr	EPA 351.2	07/24/2023	18:47	lcr
Nitrate Nitrogen	2.0	0.4	mg/L		1		07/06/2023	11:00	lfs	SM 4500-NO3 F	07/06/2023	12:56	lfs
Nitrogen, Total as Nitrogen	2.0	0.5	mg/L		1		07/18/2023	18:20	lcr	Calc.	07/24/2023	18:47	lcr
Nitrate + Nitrite as N	2.0	0.4	mg/L		1		07/06/2023	11:00	lfs	SM 4500-NO3 F	07/06/2023	12:56	lfs
Kjeldahl Nitrogen	ND	0.5	mg/L		1	U	07/18/2023	18:20	lcr	EPA 351.2	07/24/2023	18:47	lcr
Conductivity	403	1	umhos/cm		1		07/05/2023	14:10	amm	SM 4500-H+B	07/05/2023	18:40	sta
Solids, Total Dissolved (TDS)	250	10	mg/L		1		07/03/2023	14:20	ctl	SM 2540 C	07/05/2023	11:30	ctl

DQF Flags Definition:

U Constituent results were non-detect.

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

July 28, 2023

Livingston Dairy Consulting, Inc.

Lab No. : VI 2344021

Customer No. : 4018505

Quality Control - Wet Chem

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
E. C.	2320B	(STK2338587-004)	Dup	umhos/cm		0.6%	5	
Solids, Total Dissolved	2540CE	07/03/2023:207268CTL	Blank	mg/L		ND	<10	
		(SP 2311171-001)	LCS	mg/L	993.7	102%	90-110	
			Dup	mg/L		1.22%	12.2	
Nitrogen, Total Kjeldahl	351.2	07/18/2023:207877LCR	Blank	mg/L		ND	<0.5	
			LCS	mg/L	12.00	96.7%	73-124	
			MS	mg/L	12.00	98.0%	54-136	
		(STK2338509-004)	MSD	mg/L	12.00	95.4%	54-136	
			MSRPD	mg/L		2.7%	≤27	
			MS	mg/L	12.00	88.1%	54-136	
		(STK2338568-001)	MSD	mg/L	12.00	89.7%	54-136	
			MSRPD	mg/L		1.4%	≤27	
Nitrate + Nitrite as N	4500NO3F	07/06/2023:207353LFS	Blank	mg/L		ND	<0.4	
			LCS	mg/L	11.22	97.8%	80-120	
			MS	mg/L	5.609	97.1%	66-125	
		(SP 2311380-001)	MSD	mg/L	5.609	97.2%	66-125	
			MSRPD	mg/L		0.1%	≤30.4	
Nitrate Nitrogen	4500NO3F	07/06/2023:207353LFS	Blank	mg/L		ND	<0.4	
			LCS	mg/L	11.22	97.8%	80-120	
			MS	mg/L	5.609	97.1%	66-125	
		(SP 2311380-001)	MSD	mg/L	5.609	97.2%	66-125	
			MSRPD	mg/L		0.1%	≤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.

Inter-Laboratory Condition Upon Receipt (Attach to COC)

Sample Receipt at: STK CC

CH VI

1. Number of ice chests/packages received: 1 Shipping tracking # OTC

2. Were samples received in a chilled condition? Temps: 20 / 8.5 / / / /

Surface water SWTR bact samples: A sample that has a temperature upon receipt of >10° C, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.

3. Do the number of bottles received agree with the COC? Yes No N/A
4. Were samples received intact? (i.e. no broken bottles, leaks etc.) Yes No
5. VOAs checked for Headspace? Yes No N/A
6. Were sample custody seals intact? Yes No N/A
7. If required, was sample split for pH analysis? Yes No N/A
8. Were all analyses within holding times at time of receipt? Yes No N/A
9. Verify sample date, time and sampler name Yes No N/A

Sign and date the COC, place in a ziplock and put in the same ice chest as the samples.

Sample Receipt Review completed by (initials): SPO

Sample Receipt at SP:

1. Were samples received in a chilled condition? Temps: 10 / / / / /

Acceptable is above freezing to 6° C. If many packages are received at one time check for tests/H.T.'s/rushes/

2. Shipping tracking numbers:

559803343 3297
3542 3359

3. Do the number of bottles received agree with the COC? Yes No N/A

4. Were samples received intact? (i.e. no broken bottles, leaks etc.) Yes No

5. Were sample custody seals intact? Yes No N/A

Sign and date the COC, obtain LIMS sample numbers, select methods/tests and print labels.

Sample Verification, Labeling and Distribution:

1. Were all requested analyses understood and acceptable? Yes No
2. Did bottle labels correspond with the client's ID's? Yes No
3. Were all bottles requiring sample preservation properly preserved? Yes No N/A FGL
[Exception: Oil & Grease, VOA and CrVI verified in lab]
4. VOAs checked for Headspace? Yes No N/A
5. Have rush or project due dates been checked and accepted? Yes No N/A
6. Were all analyses within holding times at time of receipt? Yes No N/A

Attach labels to the containers and include a copy of the COC for lab delivery.

Sample Receipt, Login and Verification completed by (initials): MX

Discrepancy Documentation:

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted: _____ Phone Number: _____
Initiated By: _____ Date: _____
Problem:
Resolution:
2. Person Contacted: _____
Initiated By: _____ (4018505)
Problem:
Resolution:

(Please use the back of this sheet for additional co.
contacts)

Livingston Dairy Consulting, Inc.
VI 2344721

iv 07/20/2023 14:25:49



UT 2344721

August 11, 2023

Lab No. : VI 2344644
 Customer No. : 4018505

Livingston Dairy Consulting, Inc
 1635 E. Prosperity Suite B
 Tulare, CA 93274

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 | (4 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
Cherry Well #3	07/18/2023	07/18/2023	VI 2344644-001	AGW
Fred's Well #5	07/18/2023	07/18/2023	VI 2344644-002	AGW
John Deere #4	07/18/2023	07/18/2023	VI 2344644-003	AGW
Griffith Well #1	07/18/2023	07/18/2023	VI 2344644-004	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 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: 2023-08-11

Section: Case Narrative

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 CA ELAP Certification No. 2810

August 11, 2023

Livingston Dairy Consulting, Inc
1635 E. Prosperity Suite B
Tulare, CA 93274

Lab No. : VI 2344644-001

Customer No. : 4018505

Sampled On : July 18, 2023 at 06:18

Sampled By : Marlene / Noreen

Received On : July 18, 2023 at 10:00

Matrix : Ag Water

Description : Cherry Well #3
Project : W-6 Oasis Dairy

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	08/08/2023	08:55	sta	EPA 351.2	08/10/2023	18:14	lcr
Nitrate Nitrogen	6.2	0.4	mg/L		1		07/19/2023	12:15	lfs	SM 4500-NO3 F	07/19/2023	13:43	lfs
Nitrogen, Total as Nitrogen	6.2	0.5	mg/L		1		08/08/2023	08:55	sta	Calc.	08/10/2023	18:14	lcr
Nitrate + Nitrite as N	6.2	0.4	mg/L		1		07/19/2023	12:15	lfs	SM 4500-NO3 F	07/19/2023	13:43	lfs
Kjeldahl Nitrogen	ND	0.5	mg/L		1	U	08/08/2023	08:55	sta	EPA 351.2	08/10/2023	18:14	lcr
Conductivity	711	1	umhos/cm		1		07/31/2023	21:43	amm	SM 4500-H+B	08/01/2023	01:18	amm
Solids, Total Dissolved (TDS)	440	20	mg/L		1		07/20/2023	16:15	ctl	SM 2540 C	07/21/2023	11:10	ctl

DQF Flags Definition:

U Constituent results were non-detect.

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

August 11, 2023

Livingston Dairy Consulting, Inc
 1635 E. Prosperity Suite B
 Tulare, CA 93274

Description : Fred's Well #5
 Project : W-6 Oasis Dairy

Lab No. : VI 2344644-002

Customer No. : 4018505

Sampled On : July 18, 2023 at 06:22
 Sampled By : Marlene / Noreen
 Received On : July 18, 2023 at 10:00
 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	08/08/2023	08:55	sta	EPA 351.2	08/10/2023	18:16	lcr
Nitrate Nitrogen	8.4	0.4	mg/L		1		07/19/2023	12:15	lfs	SM 4500-NO3 F	07/19/2023	13:46	lfs
Nitrogen, Total as Nitrogen	8.4	0.5	mg/L		1		08/08/2023	08:55	sta	Calc.	08/10/2023	18:16	lcr
Nitrate + Nitrite as N	8.4	0.4	mg/L		1		07/19/2023	12:15	lfs	SM 4500-NO3 F	07/19/2023	13:46	lfs
Kjeldahl Nitrogen	ND	0.5	mg/L		1	U	08/08/2023	08:55	sta	EPA 351.2	08/10/2023	18:16	lcr
Conductivity	919	1	umhos/cm		1		07/31/2023	14:51	amm	SM 4500-H+B	07/31/2023	16:49	amm
Solids, Total Dissolved (TDS)	550	20	mg/L		1		07/20/2023	10:40	ctl	SM 2540 C	07/21/2023	11:10	ctl

DQF Flags Definition:

U Constituent results were non-detect.

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

August 11, 2023

Livingston Dairy Consulting, Inc
 1635 E. Prosperity Suite B
 Tulare, CA 93274

Lab No. : VI 2344644-003

Customer No.: 4018505

Description : John Deere #4
 Project : W-6 Oasis Dairy

Sampled On : July 18, 2023 at 06:28
 Sampled By : Marlene / Noreen
 Received On : July 18, 2023 at 10:00
 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	08/08/2023	08:55	sta	EPA 351.2	08/10/2023	16:41	lcr
Nitrate Nitrogen	2.8	0.4	mg/L		1		07/19/2023	12:15	lfs	SM 4500-NO3 F	07/19/2023	13:48	lfs
Nitrogen, Total as Nitrogen	2.8	0.5	mg/L		1		08/08/2023	08:55	sta	Calc.	08/10/2023	16:41	lcr
Nitrate + Nitrite as N	2.8	0.4	mg/L		1		07/19/2023	12:15	lfs	SM 4500-NO3 F	07/19/2023	13:48	lfs
Kjeldahl Nitrogen	ND	0.5	mg/L		1	U	08/08/2023	08:55	sta	EPA 351.2	08/10/2023	16:41	lcr
Conductivity	588	1	umhos/cm		1		07/31/2023	14:51	amm	SM 4500-H+B	07/31/2023	16:51	amm
Solids, Total Dissolved (TDS)	340	20	mg/L		1		07/20/2023	10:40	ctl	SM 2540 C	07/21/2023	11:10	ctl

DQF Flags Definition:

U Constituent results were non-detect.

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

August 11, 2023

Livingston Dairy Consulting, Inc
1635 E. Prosperity Suite B
Tulare, CA 93274

Description : Griffith Well #1
Project : W-6 Oasis Dairy

Lab No. : VI 2344644-004
Customer No.: 4018505

Sampled On : July 18, 2023 at 06:33
Sampled By : Marlene / Noreen
Received On : July 18, 2023 at 10:00
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	08/08/2023	08:55	sta	EPA 351.2	08/10/2023	18:19	lcr
Nitrate Nitrogen	4.0	0.4	mg/L		1		07/19/2023	12:15	lfs	SM 4500-NO3 F	07/19/2023	13:51	lfs
Nitrogen, Total as Nitrogen	4.0	0.5	mg/L		1		08/08/2023	08:55	sta	Calc.	08/10/2023	18:19	lcr
Nitrate + Nitrite as N	4.0	0.4	mg/L		1		07/19/2023	12:15	lfs	SM 4500-NO3 F	07/19/2023	13:51	lfs
Kjeldahl Nitrogen	ND	0.5	mg/L		1	U	08/08/2023	08:55	sta	EPA 351.2	08/10/2023	18:19	lcr
Conductivity	582	1	umhos/cm		1		07/31/2023	14:51	amm	SM 4500-H+B	07/31/2023	17:24	amm
Solids, Total Dissolved (TDS)	340	20	mg/L		1		07/21/2023	09:30	ctl	SM 2540 C	07/24/2023	11:00	ctl

DQF Flags Definition:

U Constituent results were non-detect.

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

August 11, 2023

Livingston Dairy Consulting, Inc.

Lab No. : VI 2344644
Customer No. : 4018505

Quality Control - Wet Chem

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
E. C.	2320B	(SP 2312486-006) (VI 2344724-001)	Dup Dup	umhos/cm umhos/cm		0.09% 0.1%	5 5	
Solids, Total Dissolved	2540CE	07/20/2023:207946CTL	Blank LCS (SP 2312188-006) (SP 2312188-006)	mg/L mg/L mg/L mg/L	993.7	98.8% 0.9% 1.38% ND	<20 5 5 <20	
			Dup Dup Blank LCS (STK2339578-001) (STK2339578-001)	mg/L mg/L mg/L mg/L	993.7	102% 0.4% 1.98% ND	90-110 5 5 <20	
	2540CE	07/21/2023:207986CTL	Blank LCS (SP 2312256-003) (SP 2312256-003)	mg/L mg/L mg/L mg/L	991.5	101% 0.2% 3.10% ND	90-110 5 5 <20	
Nitrogen, Total Kjeldahl	351.2	08/08/2023:208707STA	Blank LCS MS (VI 2344654-002)	mg/L mg/L mg/L mg/L	12.00	91.3% 85.5% 85.3% 0.3%	73-124 54-136 54-136 ≤27	
			MSRD (VI 2344644-003)	mg/L	12.00	82.8% 82.5%	54-136 54-136	
			MSRD Blank LCS MS (VI 2344643-002)	mg/L mg/L mg/L mg/L	12.00	0.3% ND 94.2% 87.3%	≤27 <0.5 73-124 54-136	
			MSRD (VI 2344643-003)	mg/L	12.00	90.0% 93.8% 93.2%	54-136 54-136 54-136	
Nitrate + Nitrite as N	4500NO3F	07/19/2023:207926LFS	Blank LCS MS (SP 2312214-001)	mg/L mg/L mg/L mg/L	11.22	97.7% 5.609 5.609 MSRD	80-120 66-125 66-125 ≤27	
Nitrate Nitrogen	4500NO3F	07/19/2023:207926LFS	MSRD Blank LCS MS (SP 2312214-001)	mg/L mg/L mg/L mg/L	5.609	92.7% ND 11.22 5.609 5.609	66-125 <0.4 80-120 66-125 66-125	
			MSRD	mg/L	1.0%	1.0%	≤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.
- MSRD : 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.

Section: Quality Control

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Visalia, CA 93291
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FAX: (559)734-8435
CA ELAP Certification No. 2810



Special

CHAIN OF CUSTODY
www.fglinc.com

Analytical Chemists



ENVIRONMENTAL AGRICULTURAL

Analytical Chemists

Laboratory Copy (1 of 2)

Client: Livingston Dairy Consulting, Inc.		42086:04/01/2023		TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling information		
Address: Livingston Dairy Consulting, Inc 1635 E. Prosperity Suite B Tulare, CA 93274						
Phone:	(559)687-1440	Fax:				
Contact Person:	Noreen Livingston					
Project Name:	W-6 Oasis Dairy					
Purchase Order Number:						
Quote Number:	VI 20210208-01					
Sampler(s)	Noreen & Noreen					
Sampling Fee:	/	Pickup Fee:	/			
Compositor Setup Date:	/	Time:	/			
Lab Number:	VI 234 40 44 4-18505					
Samp Num	Location Description	Date Sampled	Time Sampled			
1	Oasis Well #3	7/17/23 05:18 AM	G	Now	Now	
2	Oasis Well #5	6:22 AM	G			
3	Oasis Deer #4	6:28 AM	G			
4	Oasis Well #1	6:30 AM	G			
5			G			
6			G			
7			G			
8			G			
9			G			
10			G			
Remarks:	Hand Fired 7/18/23					
Relinquished	Date:	Time:	Relinquished	Date:	Time:	
SRC	7/18/23	10:00	SRC	7/18/23	10:00	
Received By:	Date:	Time:	Received By:	Date:	Time:	
SRC	7/18/23	1000	G.L.S	7/18/23	1730	
Relinquished	Date:	Time:	Relinquished	Date:	Time:	
G.L.S	7/19/23	1730	G.L.S	7/19/23	1100	
Received By:	Date:	Time:	Received By:	Date:	Time:	
G.L.S	7/19/23	1730	M.C.	7/19/23	1100	

4.4°C

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
Phone: (805) 392-2000
Env Fax: (805) 525-4172 / Ag Fax: (805) 392-2063

Office & Laboratory
563 E. Lindo
Chico, CA 95926
Phone: (530) 343-5818
Fax: (530) 345-3807

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
Phone: (559) 734-9473
Fax: (559) 734-8435

Inter-Laboratory Condition Upon Receipt (Attach to COC)

Sample Receipt at: STK CC

CH VI

1. Number of ice chests/packages received: 1 Shipping tracking # OTC
2. Were samples received in a chilled condition? Temps: Ro1 / 4.4°C / / /
Surface water SWTR bact samples: A sample that has a temperature upon receipt of >10° C, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.
3. Do the number of bottles received agree with the COC? Yes No N/A
4. Were samples received intact? (i.e. no broken bottles, leaks etc.) Yes No N/A
5. VOAs checked for Headspace? Yes No N/A
6. Were sample custody seals intact? Yes No N/A
7. If required, was sample split for pH analysis? Yes No N/A
8. Were all analyses within holding times at time of receipt? Yes No N/A
9. Verify sample date, time and sampler name Yes No N/A

Sign and date the COC, place in a ziplock and put in the same ice chest as the samples.

Sample Receipt Review completed by (initials): SRG

Sample Receipt at SP:

1. Were samples received in a chilled condition? Temps: 3C / / / /
Acceptable is above freezing to 6°C. If many packages are received at one time check for tests/H.T.'s/rushes/
2. Shipping tracking numbers: 549787246
6815
3. Do the number of bottles received agree with the COC? Yes No N/A
4. Were samples received intact? (i.e. no broken bottles, leaks etc.) Yes No N/A
5. Were sample custody seals intact? Yes No N/A

Sign and date the COC, obtain LIMS sample numbers, select methods/tests and print labels.

Sample Verification, Labeling and Distribution:

1. Were all requested analyses understood and acceptable? Yes No
2. Did bottle labels correspond with the client's ID's? Yes No
3. Were all bottles requiring sample preservation properly preserved? Yes No N/A FGL
[Exception: Oil & Grease, VOA and CrVI verified in lab]
4. VOAs checked for Headspace? Yes No N/A
5. Have rush or project due dates been checked and accepted? Yes No N/A
6. Were all analyses within holding times at time of receipt? Yes No N/A

Attach labels to the containers and include a copy of the COC for lab delivery.

Sample Receipt, Login and Verification completed by (initials): MDC

Discrepancy Documentation:

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted: _____ Phone Number: _____
Initiated By: _____ Date: _____
Problem:
Resolution:
2. Person Contacted: _____
Initiated By: _____ (4018505)
Problem:
Resolution:

(Please use the back of this sheet for additional contacts)

Livingston Dairy Consulting, Inc.
VI 2344644

iv 07/18/2023 11:29:22



2023 KERN RIVER - CANAL RESULTS

Check #1 LOCATION OF TESTS

**IRRIGATION WATER ANALYSIS
ALL CONSTITUENTS P.P.M. (MICROLITER)**

LOCATION OF TESTS

IRRIGATION WATER ANALYSIS

POLLUTANTS P.P.M. (MILLIGRAMS)																			
STATE OF TESTING	LABS USED	LAB NUM.	uG/L ARSENIC	mg/L CALCIUM	mg/L MAGNESIUM	mg/L SODIUM	mg/L POTASSIUM	mg/L HYDROXIDE	mg/L CARBONATE	mg/L CHLORIDE	mg/L FLUORIDE	mg/L SULFATE	mg/L NO 3-N	mg/L NITRATE	mg/L PHOSPHATE	mg/L SOLID	mg/L TOTAL	mg/L TOTAL	mg/L BORON
															unheated	EC	DISSOLVED SOLIDS	AS CACO3	
7/19/16/22	OEC	2201203-0	None Det.	10.00	1.50	92.00	1.90	None Det.	120.0	57.0	0.50	13.0	None Det.	8.05	480.0	280.00	32.0	0.40	
7/19/16/22	OEC	2201604-0	None Det.	18.00	2.40	110.00	3.00	None Det.	160.0	77.0	0.51	9.3	None Det.	7.87	550.0	380.00	50.0	0.61	
4/4/08/22	OEC	2202161-0	None Det.	7.10	0.84	81.00	1.30	None Det.	110.0	44.0	0.53	16.0	None Det.	8.55	390.0	280.00	21.0	0.33	
5/22/22	OEC	2203178-0	None Det.	12.00	1.80	93.00	2.00	None Det.	130.0	65.0	0.47	16.0	None Det.	7.87	520.0	350.00	37.0	0.42	
5/22/22	OEC	2203781-0	None Det.	6.40	0.79	78.00	0.98	None Det.	97.0	48.0	0.44	13.0	None Det.	8.55	400.0	250.00	19.0	0.28	
5/22/22	OEC	2204358-0	None Det.	15.00	1.80	68.00	1.90	None Det.	110.0	48.0	0.40	23.0	None Det.	7.85	460.0	280.00	45.0	0.30	
8/01/22	OEC	2204664-0	None Det.	11.00	1.80	91.00	1.90	None Det.	130.0	68.0	0.53	12.0	None Det.	8.00	500.0	300.00	35.0	0.40	
8/01/22	OEC	2205368-0	None Det.	13.00	1.80	93.00	2.10	None Det.	130.0	75.0	0.51	16.0	None Det.	7.82	540.0	350.00	38.0	0.42	
8/08/22	OEC	2206250-0	None Det.	21.00	1.50	88.00	2.40	None Det.	110.0	68.0	None Det.	58.0	None Det.	7.93	600.0	350.00	59.0	0.33	
10/03/22	OEC	2208972-0	None Det.	15.00	2.10	100.00	3.10	None Det.	150.0	75.0	0.54	14.0	None Det.	7.68	550.0	350.00	47.0	0.51	

Livingston Dairy Consulting, Inc.

1635 E. Prosperity Ave. Ste. B
Tulare, CA 93274
559-687-1440

Sunday, April 14, 2024

Re: 2023 NMP
Oasis Holsteins Dairy WDID 5D155065001
18041 Palm Ave. Shafter, CA 93263

Enclosed is the 2023/2024 Nutrient Budget for your facility to comply with the California Regional Water Quality Control Board General Order No. R5-2007-0035.

*2023 Whole Farm Nitrogen Balance

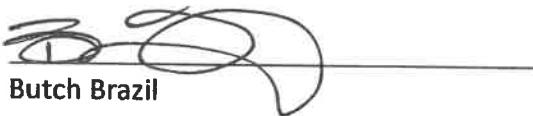
The whole farm nitrogen balance for the crop year 2022 was **1.02**
Nitrogen Summary will show the balances for each field and for the whole farm.

*Ranges for the Whole Farm Nitrogen Balance

<u>Factor</u>	<u>Status</u>	<u>Evaluation</u>
> 1.65	Excessive	Too much nitrogen applied
1.4 - 1.65	Slightly High	Nitrogen is satisfactory to slightly high
0.9 - 1.4	Normal	Normal to slightly low
< 0.9	Low	Low nitrogen status, additional nitrogen needed

*Nutrient Management Plan/ Nutrient Budget Certification

This Nutrient Budget was prepared by a Certified Crop Advisor as required by the California Regional Water Quality Control Board.



Butch Brazil
Certified Crop Advisor #35629

This Nutrient Management Plan / Nutrient Budget is based on samples collected and analyzed by a third party laboratory. This Certified Crop Advisor was not involved in oversight of outside laboratory sample collection, transportation, or analyses. Interpretation of the data is based on submitted information. Where data was incomplete, book values and / or historical data was used. The third party laboratory or Certified Crop Advisor was not involved with the agronomic growth of the crops and the Nutrient Budget is based on information provided by the owner.

