Annual Report - General Order No. R5-2007-0035
Reporting period 01/01/2023 to 12/31/2023.

DAIRY FACILITY INFORMATION

A. NAME OF DAIRY OR BUSINESS OPERATING THE DAIRY: Black Diamond Dairy

Physical address of dairy:

Number and Street	City	County	Zip Code
18541 S Fruit AVE	Riverdale	Fresno	93656

Street and nearest cross street (if no address):

Date facility was originally placed in operation: 01/01/1981

Regional Water Quality Control Board Basin Plan designation: Tulare Basin

County Assessor Parcel Number(s) for dairy facility:

0055-0021-0028-0000 0055-0021-0032-0000 0055-0021-0052-0000

B. OPERATORS

Serpa, Johnny

Operator name: Serpa, Johnny

Telephone no.: (559) 352-0698 (Landline) (Cellular)

Mailing Address Number and Street	City	State	Zip Code
18607 S Fruit	Riverdale	CA	93656

This operator is responsible for paying permit fees.

C. OWNERS

Singh, Paul

Legal owner name: Singh, Paul

Telephone no.: (559) 250-6344 (Landline) (Cellular)

Mailing Address Number and Street	City	State	Zip Code
PO Box 520	Caruthers	CA	93609

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AVAILABLE NUTRIENTS

A. HERD INFORMATION

	Milk Cows	Dry Cows	Bred Heifers (15-24 mo.)	Heifers (7-14 mo. to breeding)	Calves (4-6 mo.)	Calves (0-3 mo.)
Number open confinement	975	80	400	300	250	0
Number under roof	0	0	0	0	0	0
Maximum number	975	80	400	300	250	0
Average number	975	80	400	300	250	0
Avg live weight (lbs)	1,200	1,300	1,000	800		

Predominant milk cow breed: Holstein

Average milk production: 69 *pounds per cow per day*

B. MANURE GENERATED

Total manure excreted by the herd: 34,003.01 *tons per reporting period*

Total nitrogen from manure: 419,304.50 *lbs per reporting period*

After ammonia losses (30% loss applied): 293,513.15 *lbs per reporting period*

Total phosphorus from manure: 69,155.87 *lbs per reporting period*

Total potassium from manure: 186,080.92 *lbs per reporting period*

Total salt from manure: 477,474.75 *lbs per reporting period*

C. PROCESS WASTEWATER GENERATED

Process wastewater generated: 44,225,000 *gallons*

Total nitrogen generated: 141,138.97 *lbs*

Total phosphorus generated: 18,224.91 *lbs*

Total potassium generated: 110,438.01 *lbs*

Total salt generated: 694,792.18 *lbs*

	21,725,000	*gallons applied*
+	22,500,000	*gallons exported*
-	0	*gallons imported*
=	44,225,000	*gallons generated*

D. FRESH WATER SOURCES

Source Description	Type
Ag	Ground water
Barn	Ground water
Canal	Surface water
Houses	Ground water

E. SUBSURFACE (TILE) DRAINAGE SOURCES

No subsurface (tile) drainage sources entered.

F. NUTRIENT IMPORTS

No dry manure nutrient imports entered.

No process wastewater nutrient imports entered.

No commercial or other nutrient imports entered.

G. NUTRIENT EXPORTS

Date	Material type	Quantity	Reporting basis	Moisture (%)	Density (lbs/cu ft)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/25/2023	Corral solids	7,500.00 *ton*	As-is	26.5		13,200.00	4,900.00	17,300.00		56.60

Date	Material type	Quantity	Kjeldahl-N (mg/L)	Ammonium-N (mg/L)	Ammonia-N (mg/L)	Nitrate-N (mg/L)	P (mg/L)	K (mg/L)	EC (µmhos/cm)	TDS (mg/L)
01/28/2023	Process wastewater	6,250,000.00 *gal*	549.67	95.53	0.00	0.00	43.05	238.51		1,568
04/25/2023	Process wastewater	6,200,000.00 *gal*	249.35	152.94	0.00	0.00	66.90	457.47		2,694
05/20/2023	Process wastewater	3,650,000.00 *gal*	549.67	95.53	0.00	0.00	43.05	238.51		1,568
10/25/2023	Process wastewater	6,400,000.00 *gal*	219.90	143.66	0.00	0.00	55.75	276.44		1,998

Material type	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Dry manure	198,000.00	73,500.00	259,500.00	6,240,150.00
Process wastewater	70,056.80	9,995.43	58,137.77	375,635.15
Total exports for all materials	268,056.80	83,495.43	317,637.77	6,615,785.15

APPLICATION AREA

A. LIST OF LAND APPLICATION AREAS

Field name	Controlled acres	Cropable acres	Total harvests	Type of waste applied	Parcel number
1A	10	10	0	none	X055-X021-X028-XXXX
401	80	80	2	process wastewater	X055-X021-X028-XXXX
Totals for areas that were used for application	80	80	2		
Totals for areas that were not used for application	10	10	0		
Land application area totals	90	90	2		

B. CROPS AND HARVESTS

401

Field name: 401

11/01/2022: Wheat, silage, boot stage

Crop: Wheat, silage, boot stage Acres planted: 80 Plant date: 11/01/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/02/2023	1,233.60 *ton*	Dry-weight		50.7	22,700.00	2,700.00	15,600.00		49.50

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	16.00	256.00	44.80	192.00	0.00
Total actual harvest content	15.42	345.13	41.05	237.18	7,526.04

06/01/2023: Corn, silage

Crop: Corn, silage Acres planted: 80 Plant date: 06/01/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/11/2023	2,155.20 *ton*	Dry-weight		66.6	17,900.00	2,800.00	20,000.00		5.29

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	224.00	42.00	184.80	0.00
Total actual harvest content	26.94	322.13	50.39	359.92	951.98

NUTRIENT BUDGET

A. LAND APPLICATIONS

401 - 11/01/2022: Wheat, silage, boot stage

Field name: 401

Crop: Wheat, silage, boot stage — Plant date: 11/01/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
12/28/2022	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	129.01	10.10	55.98	368.01	2,250,000.00 *gal*
Application event totals		129.01	10.10	55.98	368.01	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
01/14/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	11.49	5,400,000.00 *gal*
Application event totals		0.00	0.00	0.00	11.49	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
02/15/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	213.58	16.73	92.68	609.27	3,725,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	11.49	5,400,000.00 *gal*
Application event totals		213.58	16.73	92.68	620.76	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
03/16/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	129.01	10.10	55.98	368.01	2,250,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	11.49	5,400,000.00 *gal*
Application event totals		129.01	10.10	55.98	379.51	

401 - 06/01/2023: Corn, silage

Field name: 401

Crop: Corn, silage — Plant date: 06/01/2023

401 - 06/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/26/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	18.94	8,900,000.00 *gal*
Application event totals		0.00	0.00	0.00	18.94	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/06/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	58.52	15.70	107.37	632.29	2,250,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	18.94	8,900,000.00 *gal*
Application event totals		58.52	15.70	107.37	651.23	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/16/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	18.94	8,900,000.00 *gal*
Application event totals		0.00	0.00	0.00	18.94	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/26/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	58.52	15.70	107.37	632.29	2,250,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	18.94	8,900,000.00 *gal*
Application event totals		58.52	15.70	107.37	651.23	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/06/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	58.52	15.70	107.37	632.29	2,250,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	18.94	8,900,000.00 *gal*
Application event totals		58.52	15.70	107.37	651.23	

401 - 06/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/16/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	58.52	15.70	107.37	632.29	2,250,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	18.94	8,900,000.00 *gal*
Application event totals		58.52	15.70	107.37	651.23	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/26/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
W	Process wastewater	91.42	1.56	9.82	57.50	2,250,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	18.94	8,900,000.00 *gal*
Application event totals		91.42	1.56	9.82	76.44	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
09/06/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	91.42	1.56	9.82	57.50	2,250,000.00 *gal*
Canal	Surface water	0.00	0.00	0.00	18.94	8,900,000.00 *gal*
Application event totals		91.42	1.56	9.82	76.44	

B. NUTRIENT BUDGET

401 - 11/01/2022: Wheat, silage, boot stage

Field name: 401 Crop: Wheat, silage, boot stage Plant date: 11/01/2022

	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	471.60	36.94	204.63	1,345.30
Fresh water	0.00	0.00	0.00	34.47
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	478.60	36.94	204.63	1,379.77
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00
Actual crop nutrient removal	345.13	41.05	237.18	7,526.04
Nutrient balance	133.47	-4.12	-32.55	-6,146.27
Applied to removed ratio	1.39	0.90	0.86	0.18

Fresh water applied	
16,200,000.00	*gallons*
596.59	*acre-inches*
7.46	*inches/acre*

Process wastewater applied	
8,225,000.00	*gallons*
302.90	*acre-inches*
3.79	*inches/acre*

Total harvests for the crop	
1	*harvests*

401 - 06/01/2023: Corn, silage

Field name: 401 Crop: Corn, silage Plant date: 06/01/2023

	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	416.93	65.93	449.12	2,644.17
Fresh water	0.00	0.00	0.00	151.51
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	423.93	65.93	449.12	2,795.68
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	322.13	50.39	359.92	951.98
Nutrient balance	101.80	15.54	89.20	1,843.69
Applied to removed ratio	1.32	1.31	1.25	2.94

Fresh water applied	
71,200,000.00	*gallons*
2,622.05	*acre-inches*
32.78	*inches/acre*

Process wastewater applied	
13,500,000.00	*gallons*
497.16	*acre-inches*
6.21	*inches/acre*

Total harvests for the crop	
1	*harvests*

NUTRIENT ANALYSES

A. MANURE ANALYSES

Dry Manure

Sample and source description: Dry Manure

Sample date: 06/09/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 47.3 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	10,600.00	4,100.00	20,700.00	9,100.00	3,700.00	4,600.00	2,800.00	830.86		51.13
DL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00		1.00

Dry Manure

Sample and source description: Dry Manure

Sample date: 10/27/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 26.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	13,200.00	4,900.00	17,300.00							56.60
DL	100.00	100.00	100.00							1.00

B. PROCESS WASTEWATER ANALYSES

1st Qtr WW

Sample and source description: 1st Qtr WW

Sample date: 02/03/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.69

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	549.67	95.53	0.00	0.00	43.05	238.51								2,450.00	1,568
DL	67.00	0.57	0.01	0.01	0.64	0.01								1.00	19

2nd Qtr WW

Sample and source description: 2nd Qtr WW

Sample date: 06/09/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.59

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	249.35	152.94	0.00	0.00	66.90	457.47	7.00	6.20	11.90	40.49	0.00	1.30	5.20	4,210.00	2,694
DL	67.00	0.57	0.01	0.01	0.64	0.01	0.02	0.01	0.01	0.10	0.10	0.02	0.01	1.00	19

3rd Qtr WW

Sample and source description: 3rd Qtr WW

Sample date: 08/28/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 6.96

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	389.50	20.69	0.00	0.00	6.66	41.84								384.00	245
DL	67.00	0.57	0.01	0.01	0.67	0.01								1.00	19

4th Qtr WW

Sample and source description: 4th Qtr WW

Sample date: 12/08/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.41

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	219.90	143.66	0.00	0.00	55.75	276.44								3,122.00	1,998
DL	67.00	0.57	0.01	0.01	0.64	0.01								1.00	19

C. FRESH WATER ANALYSES

Ag

Ag

Ag

Sample description: Ag

Sample date: 05/05/2022 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	0.00										440.00	
DL	0.23										1.00	

Barn

Barn

Sample description: Barn

Sample date: 05/05/2022 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	1.90										340.00	
DL	0.23										1.00	

Canal

Canal

Sample description: Canal

Sample date: 07/07/2022 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	0.00										34.00	
DL	0.23										1.00	

Houses

Houses

Houses

Sample description: Houses

Sample date: 05/05/2022 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	2.40										350.00	
DL	0.23										1.00	

D. SOIL ANALYSES

No soil analyses entered.

E. PLANT TISSUE ANALYSES

401 - 11/01/2022: Wheat, silage, boot stage

401

Sample and source description: 401

Sample date: 05/02/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 60.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	22,700.00	2,700.00	15,600.00		49.50
DL	100.00	100.00	100.00		1.00

401 - 06/01/2023: Corn, silage

401 - 06/01/2023: Corn, silage

401

Sample and source description: 401

Sample date: 09/11/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 66.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	17,900.00	2,800.00	20,000.00		5.29
DL	100.00	100.00	100.00		1.00

F. SUBSURFACE (TILE) DRAINAGE ANALYSES

No subsurface (tile) drainage analyses entered.

NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE

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

	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	71,082.17	8,229.47	52,300.24	319,157.03
Fresh water	0.00	0.00	0.00	14,878.80
Atmospheric deposition	1,120.00	0.00	0.00	0.00
Total nutrients applied	72,202.17	8,229.47	52,300.24	334,035.83
Anticipated crop nutrient removal	38,400.00	6,944.00	30,144.00	0.00
Actual crop nutrient removal	53,380.84	7,315.18	47,768.21	678,241.89
Nutrient balance	18,821.33	914.30	4,532.03	-344,206.06
Applied to removed ratio	1.35	1.12	1.09	0.49

B. POUNDS OF NUTRIENT APPLIED VS. CROP REMOVAL

C. POUNDS OF NUTRIENT APPLIED BY MATERIAL TYPE

EXCEPTION REPORTING

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

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

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

B. STORM WATER DISCHARGES

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

No stormwater discharges occurred during the reporting period.

C. LAND APPLICATION AREA TO SURFACE WATER DISCHARGES

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

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

NUTRIENT MANAGEMENT PLAN AND EXPORT AGREEMENT STATEMENTS

A. NUTRIENT MANAGEMENT PLAN STATEMENTS

Was the facility's NMP updated in the reporting period?	No
Was the facility's NMP developed by a certified nutrient management planner (specialist) as specified in Attachment C of the General Order?	Yes
Was the facility's NMP approved by a certified nutrient management planner (specialist) as specified in Attachment C of the General Order?	Yes

B. EXPORT AGREEMENT STATEMENT

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

ADDITIONAL NOTES

A. NOTES

Wells were all negative for Ammonia which we tested onsite using a test strip .

We had an extremely wet year and had early flood release water and then Canal water thru the whole year so no wells were turned on .

CERTIFICATION

A. OWNER AND/OR OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SIGNATURE OF OWNER OF FACILITY	SIGNATURE OF OPERATOR OF FACILITY
Paul Singh	Johnny Serpa
PRINT OR TYPE NAME	PRINT OR TYPE NAME
DATE	DATE

ATTACHMENTS

A. REQUIRED ATTACHMENTS

The following lists the required documents that should be attached to the Annual Report when submitted .

Annual Dairy Facility Assessment
Provide an Annual Dairy Facility Assessment (an update to the Preliminary Dairy Facility Assessment in Attachment A) for each reporting period. On the PDFA Final page, click on the ADFA Report button to generate an ADFA report after updating information as needed .

Manure/Process Wastewater Tracking Manifests
Provide copies of all manure/process wastewater tracking manifests for the reporting period, signed by both the owner/operator and the hauler.

Corrective Actions Documents
Provide records documenting any corrective actions taken to correct deficiencies noted as a result of the inspections required in the Monitoring Requirements of the General Order. Deficiencies not corrected in 30 days must be accompanied by an explanation of the factors preventing immediate correction.

Groundwater Monitoring
Dischargers that monitor supply wells or subsurface (tile) drainage systems, or that have monitoring well systems must submit monitoring results as directed in the General Order, Groundwater Reporting Section starting on page MRP-13.

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

Annual Report - General Order No. R5-2007-0035
Reporting period 01/01/2023 to 12/31/2023.

CERTIFICATION

A. OWNER AND/OR OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Paul Singh	
SIGNATURE OF OWNER OF FACILITY	SIGNATURE OF OPERATOR OF FACILITY
Paul Singh	Johnny Serpa
PRINT OR TYPE NAME	PRINT OR TYPE NAME
6/14/24	6/14/24
DATE	DATE

Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

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

INSTRUCTIONS

1) Complete one manifest for each hauling event, for each destination. A hauling event may last for several days, as long as the manure is being hauled to the same destination.
2) If there are multiple destinations, complete a separate form for each destination.
3) The operator must obtain the signature of the hauler upon completion of each manure/process wastewater hauling event.
4) The operator shall submit copies of manure/process wastewater tracking manifest(s) with the Annual Monitoring Report for Existing Milk Cow Dairies.

OPERATOR INFORMATION

Name of Operator: Johnny Serpa

Name of Dairy Facility: Black Diamond Dairy

Facility Address:

18541 S Fruit AVE	Riverdale	Fresno	93656
Number and Street	City	County	Zip Code

Contact Person Name and Phone Number: Johnny Serpa (559) 352-0608
Name Phone Number

PROCESS WASTEWATER HAULER INFORMATION

Name of Hauling Company/Person: Black Diamond

Address of Hauling Company/Person:

18607 S Fruit AVE	Riverdale	CA	93656
Number and Street	City	State	Zip Code

Contact Person: Johnny Serpa (559) 352-0608
Name Phone Number

DESTINATION INFORMATION

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

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

Paul Singh (559) 352-0608
Name Phone Number

18607 S Fruit	Riverdale	CA	93656
Address	City	State	Zip Code

Destination Address or Assessor's Parcel Number:

	Riverdale	93656
Address	City	Zip Code

Fruit	Fresno
Street and nearest cross street (if no address)	County

Assessor's Parcel Number Assessor's Parcel Number County

Last date hauled: 10/25/2023

Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

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

PROCESS WASTEWATER AMOUNT HAULED

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

Process Wastewater: 6,400,000 gallons

Method used to determine volume of process wastewater:

GPM x runtime

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?

[X] YES [ ] NO

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

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

CERTIFICATION

I declare under penalty of law that I personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true , accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for knowing violations.

Operator Signature — Date: 6/14/24

-Self-

Hauler Signature — Date

Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

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

INSTRUCTIONS

1) Complete one manifest for each hauling event, for each destination. A hauling event may last for several days, as long as the manure is being hauled to the same destination.
2) If there are multiple destinations, complete a separate form for each destination.
3) The operator must obtain the signature of the hauler upon completion of each manure/process wastewater hauling event.
4) The operator shall submit copies of manure/process wastewater tracking manifest(s) with the Annual Monitoring Report for Existing Milk Cow Dairies.

OPERATOR INFORMATION

Name of Operator: Johnny Serpa

Name of Dairy Facility: Black Diamond Dairy

Facility Address:

18541 S Fruit AVE	Riverdale	Fresno	93656
Number and Street	City	County	Zip Code

Contact Person Name and Phone Number: Johnny Serpa (559) 352-0608
Name Phone Number

MANURE HAULER INFORMATION

Name of Hauling Company/Person: Thomas Bros Spreading

Address of Hauling Company/Person:

19721 Excelsior	Riverdale	CA	93656
Number and Street	City	State	Zip Code

Contact Person: Manuel Thomas (559) 906-1406
Name Phone Number

DESTINATION INFORMATION

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

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

Thomas Bros Hauling (559) 906-1406
Name Phone Number

19721 Excelsior	Riverdale	CA	93656
Address	City	State	Zip Code

Destination Address or Assessor's Parcel Number:

	Riverdale	93656
Address	City	Zip Code

Fruit	Fresno
Street and nearest cross street (if no address)	County

Assessor's Parcel Number Assessor's Parcel Number County

Last date hauled: 10/25/2023

Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

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

MANURE AMOUNT HAULED

Enter the amount of manure hauled in tons, manure solids content, and the method used to calculate the amount:

Manure: 7,500.00 tons

Manure Solids Content: 73.5 %

Method used to determine amount of manure:

Weighted Average

CERTIFICATION

I declare under penalty of law that I personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true , accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for knowing violations.

Operator Signature — Date: 6/14/24

Hauler Signature — Date: 6/14/24

Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

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

INSTRUCTIONS

1) Complete one manifest for each hauling event, for each destination. A hauling event may last for several days, as long as the manure is being hauled to the same destination.
2) If there are multiple destinations, complete a separate form for each destination.
3) The operator must obtain the signature of the hauler upon completion of each manure/process wastewater hauling event.
4) The operator shall submit copies of manure/process wastewater tracking manifest(s) with the Annual Monitoring Report for Existing Milk Cow Dairies.

OPERATOR INFORMATION

Name of Operator: Johnny Serpa

Name of Dairy Facility: Black Diamond Dairy

Facility Address:

18541 S Fruit AVE	Riverdale	Fresno	93656
Number and Street	City	County	Zip Code

Contact Person Name and Phone Number: Johnny Serpa (559) 352-0608
Name Phone Number

PROCESS WASTEWATER HAULER INFORMATION

Name of Hauling Company/Person: Netto Ag

Address of Hauling Company/Person:

10044 Flint Ave	Hanford	CA	93230
Number and Street	City	State	Zip Code

Contact Person: James Netto (559) 585-2097
Name Phone Number

DESTINATION INFORMATION

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

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

Mike Smith (559) 978-0988
Name Phone Number

1755 W Mt.Whitney	Riverdale	CA	93656
Address	City	State	Zip Code

Destination Address or Assessor's Parcel Number:

	Riverdale	93656
Address	City	Zip Code

Fruit	Fresno
Street and nearest cross street (if no address)	County

Assessor's Parcel Number Assessor's Parcel Number County

Last date hauled: 05/20/2023

Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

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

PROCESS WASTEWATER AMOUNT HAULED

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

Process Wastewater: 3,650,000 gallons

Method used to determine volume of process wastewater:

6000 gallon Tankers

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?

[X] YES [ ] NO

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

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

CERTIFICATION

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Operator Signature — Date: 6/14/24

Hauler Signature — Date: 6/14/24

Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

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

INSTRUCTIONS

1) Complete one manifest for each hauling event, for each destination. A hauling event may last for several days, as long as the manure is being hauled to the same destination.
2) If there are multiple destinations, complete a separate form for each destination.
3) The operator must obtain the signature of the hauler upon completion of each manure/process wastewater hauling event.
4) The operator shall submit copies of manure/process wastewater tracking manifest(s) with the Annual Monitoring Report for Existing Milk Cow Dairies.

OPERATOR INFORMATION

Name of Operator: Johnny Serpa

Name of Dairy Facility: Black Diamond Dairy

Facility Address:

18541 S Fruit AVE	Riverdale	Fresno	93656
Number and Street	City	County	Zip Code

Contact Person Name and Phone Number: Johnny Serpa (559) 352-0608
Name Phone Number

PROCESS WASTEWATER HAULER INFORMATION

Name of Hauling Company/Person: Black Diamond

Address of Hauling Company/Person:

18607 S Fruit AVE	Riverdale	CA	93656
Number and Street	City	State	Zip Code

Contact Person: Johnny Serpa (559) 352-0608
Name Phone Number

DESTINATION INFORMATION

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

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

Paul Singh (559) 352-0608
Name Phone Number

18607 S Fruit	Riverdale	CA	93656
Address	City	State	Zip Code

Destination Address or Assessor's Parcel Number:

	Riverdale	93656
Address	City	Zip Code

Fruit	Fresno
Street and nearest cross street (if no address)	County

Assessor's Parcel Number Assessor's Parcel Number County

Last date hauled: 04/25/2023

Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

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

PROCESS WASTEWATER AMOUNT HAULED

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

Process Wastewater: 6,200,000 gallons

Method used to determine volume of process wastewater:

GPM X runtime

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?

[X] YES [ ] NO

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

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

CERTIFICATION

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Operator Signature — Date: 6/14/24

Hauler Signature: -Self- — Date

Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

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

INSTRUCTIONS

1) Complete one manifest for each hauling event, for each destination. A hauling event may last for several days, as long as the manure is being hauled to the same destination.
2) If there are multiple destinations, complete a separate form for each destination.
3) The operator must obtain the signature of the hauler upon completion of each manure/process wastewater hauling event.
4) The operator shall submit copies of manure/process wastewater tracking manifest(s) with the Annual Monitoring Report for Existing Milk Cow Dairies.

OPERATOR INFORMATION

Name of Operator: Johnny Serpa

Name of Dairy Facility: Black Diamond Dairy

Facility Address:

18541 S Fruit AVE	Riverdale	Fresno	93656
Number and Street	City	County	Zip Code

Contact Person Name and Phone Number: Johnny Serpa (559) 352-0608
Name Phone Number

PROCESS WASTEWATER HAULER INFORMATION

Name of Hauling Company/Person: Black Diamond

Address of Hauling Company/Person:

18607 S Fruit AVE	Riverdale	CA	93656
Number and Street	City	State	Zip Code

Contact Person: Johnny Serpa (559) 352-0608
Name Phone Number

DESTINATION INFORMATION

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

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

Paul Singh (559) 352-0608
Name Phone Number

18607 S Fruit	Riverdale	CA	93656
Address	City	State	Zip Code

Destination Address or Assessor's Parcel Number:

	Riverdale	93656
Address	City	Zip Code

Fruit	Fresno
Street and nearest cross street (if no address)	County

Assessor's Parcel Number Assessor's Parcel Number County

Last date hauled: 01/28/2023

Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

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

PROCESS WASTEWATER AMOUNT HAULED

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

Process Wastewater: 6,250,000 gallons

Method used to determine volume of process wastewater:

GPM x runtime

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?

[X] YES [ ] NO

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

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

CERTIFICATION

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Operator Signature — Date: 6/14/24

Hauler Signature — Date

DELLAVALLE™
LABORATORY INC

Black Diamond Dairy
18607 S Fruit Ave
Riverdale, CA 93656

Account# 00-0025798
Account Manager: Ben Nydam
Submitted By: Christina Mederios

Received: 12/12/2023 7:40
Reported: 12/18/2023 12:24

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23L0604-01	Barn	Ag Water	Christina		12/11/2023 14:00
23L0604-02	D2	Ag Water	Christina		12/11/2023 14:10

Default Cooler Temperature on Receipt °C: 20.3
Containers Intact
COC/Labels Agree
Received On Ice

Notes and Definitions

Item	Definition
MCL	Drinking Water Maximum Contaminant Level
ND	Analyte NOT DETECTED at or above the reporting limit.
NES	Not Enough Sample
*	Not Taken

Scott McFriedland

Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

DELLAVALLE™
LABORATORY INC

Black Diamond Dairy
18607 S Fruit Ave
Riverdale, CA 93656

Account# 00-0025798
Account Manager: Ben Nydam
Submitted By: Christina Mederios

Received: 12/12/2023 7:40
Reported: 12/18/2023 12:24

Sample Results

Sample: Barn
23L0604-01 (Water)

Sampled: 12/11/2023 14:00
Sampled By: Christina

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.38**	mmhos/cm	0.01	1		12/12/23 16:41	SM 2510 B		BEL0389
Electrical Conductivity umhos	**380**	umhos/cm	10.0	1		12/12/23 16:41	SM 2510 B		BEL0389
Nitrate Nitrogen as NO3N	**0.1**	mg/L	0.1	1	10	12/13/23 03:49	EPA 300.0		BEL0350

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DELLAVALLE™
LABORATORY INC

Black Diamond Dairy
18607 S Fruit Ave
Riverdale, CA 93656

Account# 00-0025798
Account Manager: Ben Nydam
Submitted By: Christina Mederios

Received: 12/12/2023 7:40
Reported: 12/18/2023 12:24

Sample Results
(Continued)

Sample: D2
23L0604-02 (Water)

Sampled: 12/11/2023 14:10
Sampled By: Christina

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.38**	mmhos/cm	0.01	1		12/12/23 16:42	SM 2510 B		BEL0389
Electrical Conductivity umhos	**379**	umhos/cm	10.0	1		12/12/23 16:42	SM 2510 B		BEL0389
Nitrate Nitrogen as NO3N	ND	mg/L	0.1	1	10	12/13/23 07:17	EPA 300.0		BEL0350

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DELLAVALLE™ LABORATORY INC

Black Diamond Dairy
18607 S Fruit Ave
Riverdale, CA 93656

Account# 00-0025798
Account Manager: Ben Nydam
Submitted By: Christina Mederios

Received: 12/12/2023 7:40
Reported: 12/18/2023 12:24

Quality Control

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0350										
Blank (BEL0350-BLK1)					Prepared & Analyzed: 12/12/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Blank (BEL0350-BLK2)					Prepared & Analyzed: 12/12/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Blank (BEL0350-BLK3)					Prepared: 12/12/2023 Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Blank (BEL0350-BLK4)					Prepared: 12/12/2023 Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Blank (BEL0350-BLK5)					Prepared: 12/12/2023 Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
LCS (BEL0350-BS1)					Prepared: 12/12/2023 Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	4.6		0.1	mg/L	5.000		92.8	90-110		
LCS (BEL0350-BS2)					Prepared: 12/12/2023 Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	5.4		0.1	mg/L	5.000		107	90-110		
LCS (BEL0350-BS3)					Prepared: 12/12/2023 Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	4.7		0.1	mg/L	5.000		94.3	90-110		
LCS (BEL0350-BS4)					Prepared: 12/12/2023 Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	4.6		0.1	mg/L	5.000		92.7	90-110		
Duplicate (BEL0350-DUP1)		**Source: 23L0592-01**			Prepared: 12/12/2023 Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	0.08		0.1	mg/L		0.08			0.00	10
Duplicate (BEL0350-DUP2)		**Source: 23L0594-01**			Prepared: 12/12/2023 Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	0.09		0.1	mg/L		0.09			5.65	10
Duplicate (BEL0350-DUP3)		**Source: 23L0724-01**			Prepared: 12/12/2023 Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	0.6		0.1	mg/L		0.6			1.23	10
Duplicate (BEL0350-DUP4)		**Source: 23L0731-01**			Prepared: 12/12/2023 Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	0.2		0.1	mg/L		0.2			0.466	10
Matrix Spike (BEL0350-MS1)		**Source: 23L0592-01**			Prepared & Analyzed: 12/12/2023					
Nitrate Nitrogen as NO3N	4.6		0.1	mg/L	5.000	0.08	90.7	90-110		
Matrix Spike (BEL0350-MS2)		**Source: 23L0594-01**			Prepared: 12/12/2023 Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	4.7		0.1	mg/L	5.000	0.09	91.7	90-110		

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DELLAVALLE™ LABORATORY INC

Black Diamond Dairy
18607 S Fruit Ave
Riverdale, CA 93656

Account# 00-0025798
Account Manager: Ben Nydam
Submitted By: Christina Mederios

Received: 12/12/2023 7:40
Reported: 12/18/2023 12:24

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0350 (Continued)										
Matrix Spike (BEL0350-MS4)			**Source: 23L0731-01**		Prepared: 12/12/2023 Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	4.9		0.1	mg/L	5.000	0.2	93.7	90-110		
Reference (BEL0350-SRM1)					Prepared & Analyzed: 12/12/2023					
Nitrate Nitrogen as NO3N	9.2			mg/L	10.00		92.0	90-110		
Reference (BEL0350-SRM2)					Prepared: 12/12/2023 Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	9.3			mg/L	10.00		92.6	90-110		
Reference (BEL0350-SRM3)					Prepared: 12/12/2023 Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	9.3			mg/L	10.00		92.7	90-110		
Reference (BEL0350-SRM4)					Prepared: 12/12/2023 Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	9.4			mg/L	10.00		93.6	90-110		
Reference (BEL0350-SRM5)					Prepared: 12/12/2023 Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	9.2			mg/L	10.00		92.2	90-110		

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DELLAVALLE™
LABORATORY INC

Black Diamond Dairy
18607 S Fruit Ave
Riverdale, CA 93656

Account# 00-0025798
Account Manager: Ben Nydam
Submitted By: Christina Mederios

Received: 12/12/2023 7:40
Reported: 12/18/2023 12:24

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0389										
Blank (BEL0389-BLK1)					Prepared & Analyzed: 12/12/2023					
Electrical Conductivity	ND		0.01	mmhos/cm						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Blank (BEL0389-BLK2)					Prepared & Analyzed: 12/12/2023					
Electrical Conductivity	ND		0.01	mmhos/cm						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Blank (BEL0389-BLK3)					Prepared & Analyzed: 12/12/2023					
Electrical Conductivity	ND		0.01	mmhos/cm						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Duplicate (BEL0389-DUP1)		**Source: 23L0597-03**			Prepared & Analyzed: 12/12/2023					
Electrical Conductivity	6.61		0.01	mmhos/cm		6.45			2.40	10
Electrical Conductivity umhos	6610		10.0	umhos/cm		6450			2.40	10
Duplicate (BEL0389-DUP2)		**Source: 23L0607-03**			Prepared & Analyzed: 12/12/2023					
Electrical Conductivity	5.81		0.01	mmhos/cm		5.88			1.25	10
Electrical Conductivity umhos	5810		10.0	umhos/cm		5880			1.25	10
Reference (BEL0389-SRM1)					Prepared & Analyzed: 12/12/2023					
Electrical Conductivity	445			umhos/cm	426.0		104	90-110		
Reference (BEL0389-SRM3)					Prepared & Analyzed: 12/12/2023					
Electrical Conductivity	1070			umhos/cm	1000		107	90-110		
Electrical Conductivity umhos	1070			umhos/cm	1000		107	90-110		
Reference (BEL0389-SRM4)					Prepared & Analyzed: 12/12/2023					
Electrical Conductivity	1050			umhos/cm	1000		105	90-110		
Electrical Conductivity umhos	1050			umhos/cm	1000		105	90-110		
Reference (BEL0389-SRM5)					Prepared & Analyzed: 12/12/2023					
Electrical Conductivity	1060			umhos/cm	1000		106	90-110		
Electrical Conductivity umhos	1060			umhos/cm	1000		106	90-110		

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12/12/23 07:40 23L0604

JG

DELLAVALLE LABORATORY, INC.

1910 W. McKinley Avenue, Suite 110 • Fresno, CA 93728
www.dellavallelab.com 559 233-6126 • 800 228-9896 • Fax 559 268-8174

WATER WORK REQUEST

Bill To: Acct No. 25798 Cons. 8

Purchase Order No. _____ Results Needed By _____

Client: Black Diamond Dairy
Address: 18607 S Fruit Ave
City, State, Zip: Riverdale Ca 93656
Email: johnny_serpa@yahoo.com

Copy to: mel_tinamedeiros@yahoo.com

Requested by/Cell: Christina Medeiros/ 559-903-2490

Facility: _____

Date sampled: 12/11/23

Sampled by: Christina

☑ QA/QC Document ☑ Copy of Chain ☐ RWQCB

No. of Samples _____ No. Bottles 2

Water Type: ☐ Drinking ☐ Wastewater ☒ Ag Water ☐ Ground Water ☐ Mon. Well ☐ Supply Water ☐ Other _____

Analysis and Bottles Required: *(Please Indicate Analysis)*

- ☒ EC, NO_3-N — *(1) 1 L plastic, unpreserved (white)*
- ☐ DWW1: (EC, pH, NO_3-N, **NH_4-N Field Test**) — *(1) 1 L plastic, unpreserved (white)*
- ☐ DWW2: (DWW1 Plus SO_4, CO_3, HCO_3, Cl, Ca, Mg, Na, TDS) — *(1) 1 L plastic, unpreserved (white)*
- ☐ DCW1: (EC, NO_3-N, TDS) — *(1) 1 L plastic, unpreserved (white)*
- ☐ DPW1: (EC, pH, NO_3-N, NH_4-N, TKN, TDS, TP, TK) — *(1) 1 L plastic, unpreserved (white)*
- ☐ DPW2: (DPW1 Plus Ca, Mg, Na, HCO_3, CO_3, SO_4, Cl) — *(1) 1 L plastic, unpreserved (white)*
- ☐ Other _____

DESCRIPTION	Sampled From:	Date Sampled	Time Sampled	Field NH4-N (mg/L)	Received Temp °C H/F
1. Barn	Temperature Upon Receipt Hanford (°C): 20.3 Laboratory (°C): -1.5	12/11/23	2pm		20.3 / -1.5
2. D2		↓	210pm		23.1 / -2.0
3.	Temperature Upon Receipt Hanford (°C): 23.1 Laboratory (°C): -2.0				
4.					
5.					
6.					
7.					
8.					

IR Thermometer SN: 192603727
Correction Factor: 0°C
Calibration Due: 03/06/2024
Location: Laboratory

IR Thermometer SN: 221511276
Correction Factor: 0°C
Calibration Due: 03/06/2024
Location: Hanford

CHAIN OF CUSTODY

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First	[signature]			12/11/23 3:36
Second	[signature]	DLL	12/11/23 3:36	
Third				
Fourth	[signature]	DLL	12/12 0714	

I guarantee that as the client, or on behalf of the client named, I have the authority to contract the above requested services. Should it be found that I do not have such authority, I agree to be personally liable for all costs and, if there should be action against me for this breach, reasonable attorneys' fees. It is understood that payment is expected to be cash with samples unless terms have been previously arranged. Terms are net 30 days; overdue accounts will be charged a dated damage fee of 2% per month (annually 24 %) or $5.00 per month whichever is greater.

If payment is not made when due and a legitimate dispute exists concerning the product or services of Dellavalle Laboratory, Inc., it will be submitted to mediation under the Rules and Procedures of Creative Alternative to Litigation, Inc. (cal). If the dispute is not resolved in mediation, then the dispute will be submitted to binding arbitration through cal under its Rules and Procedures. The prties will equally bear the costs of mediation/arbitration. If, however, the mediator declares that no legitimate dispute exists, then debtor will pay all mediation and arbitration costs, and in the event of arbitration, reasonable attorneys' fees of Dellavalle Laboratory.

Invoicing Information:
Medeiros Pricing 2023
Sampling Hrs ____ Miles ____ Consulting ____

Shipping
$ _____ In
$ _____ Out

Amt Paid ____ Rec By ____ Check No. ____ Date ____

Signature _____

Sample received in cooler with ice?
[ ] Yes [ ] No

ctt:update 2020

Past

12/12/23 07:40 23L0604

Shipping Information: Shipped In ☐ Picked-Up ☐ Walk In ☐ DLI Sampler ☐ Other ☐ _____

☐ Samples refridgerated before pick up | ☐ Picked up samples placed in Ice chest

Container: Ice Chest ☐ Box ☐ None ☐ | **Refrigerant:** Wet Ice ☐ Blue Ice ☐ None ☐

Samples Preserved with HNO_3 or H_2SO_4 were: ☐ Received Preserved ☐ Preserved Upon Receipt at Laboratory

	Type of Container(s) Received	Sample Number 1	2	3	4	5	6	7	8	9	10
	Sample Containers for Internal (DLI) Use *(Containers that go into the Lab)*										
Plastics	100 mL sterile plastic $Na_2S_2O_3$ (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO_3 (Red) Plastic										
	* pH Value										
	250 mL H_2SO_4 (Yellow) Plastic										
	* pH Value										
	500 mL unpreserved (White) Plastic										
	1 L unpreserved (White) Plastic										
	1 L unpreserved (BOD) (Purple) Plastic										
Special	500mL unpreserved (White) Glass										
	PO4-P Kit										
	Other:										
	Sample Containers for Subcontracted ("Send Out") Analyses *(Containers that go in the Subcontract ("Send Out") Refrigerator)*										
Plastics	100 mL sterile plastic $Na_2S_2O_3$ (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO_3 (Red) Plastic										
	250 mL H_2SO_4 (Yellow) Plastic										
	500 mL HNO_3 (Red)										
	1 L unpreserved (White) Plastic										
	1 L unpreserved (BOD) (Purple) Plastic										
	1 L HNO_3 (Red)										
VOA Vials	40 mL VOA, $Na_2S_2O_3$ + MCAA (EPA531)										
	40 mL VOA, $Na_2S_2O_3$ (EPA547)										
	40mL AG VOA unpreserved (White) (Set of 3)										
	40 mL AG VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
	40mL VOA, H_3PO_4 (Set of 3)										
	40 mL VOA, HCl (Blue) (Set of 3)										
	40 mL VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
Glass	250 mL AG unpreserved (White)										
	250 mL AG H_2SO_4 (Yellow)										
	250 mL AG $Na_2S_2O_3$ (Green)										
	250 mL AG $Na_2S_2O_3$ + MCAA										
	500 mL glass unpreserved (White)										
	500 mL AG HCl (Blue)										
	1 L AG unpreserved (White)										
	1 L AG H_2SO_4 (Yellow)										
	1 L AG $Na_2S_2O_3$ (Green)										
	1 L AG HCl (Blue)										
Special	Cr^{6+} - 50mL Plastic w/Borate/HCO_3/CO_3										
	Cyanide - 500 mL NaOH										
	Asbestos - 1L P wrapped in foil (Set of 2)										
	Sulfide - 1 L **AG** or **P** NaOH + ZnAc										
	Chlorite/Bromate - 250 mL AG with EDA										
	HAA5 - 250mL AG Ammonium Chlorite										
	DO KIT										
	Other:										
	Other:										

SEND OUT

DELLAVALLE™
LABORATORY INC

Black Diamond Dairy
18607 S Fruit Ave
Riverdale, CA 93656

Account# 00-0025798
Account Manager: Ben Nydam
Submitted By: Christina Mederios

Received: 08/17/2023 9:31
Reported: 08/23/2023 14:51

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23H1588-01	Canal	Ag Water			08/16/2023 15:30

Default Cooler Temperature on Receipt °C: 1.8
Containers Intact
COC/Labels Agree
Received On Ice

Notes and Definitions

Item	Definition
MCL	Drinking Water Maximum Contaminant Level
ND	Analyte NOT DETECTED at or above the reporting limit.
NES	Not Enough Sample
*	Not Taken

Scott McFriedland

Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

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DELLAVALLE™
LABORATORY INC

Black Diamond Dairy
18607 S Fruit Ave
Riverdale, CA 93656

Account# 00-0025798
Account Manager: Ben Nydam
Submitted By: Christina Mederios

Received: 08/17/2023 9:31
Reported: 08/23/2023 14:51

Sample Results

Sample: Canal
23H1588-01 (Water)

Sampled: 8/16/2023 15:30
Sampled By:

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.02**	mmhos/cm	0.01	1		08/18/23 17:25	SM 2510 B		BEH0918
Nitrate Nitrogen as NO3N	ND	mg/L	0.1	1	10	08/18/23 01:32	EPA 300.0		BEH0886

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DELLAVALLE™ LABORATORY INC

Black Diamond Dairy
18607 S Fruit Ave
Riverdale, CA 93656

Account# 00-0025798
Account Manager: Ben Nydam
Submitted By: Christina Mederios

Received: 08/17/2023 9:31
Reported: 08/23/2023 14:51

Quality Control

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0886										
Blank (BEH0886-BLK1)					Prepared & Analyzed: 8/17/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Blank (BEH0886-BLK2)					Prepared & Analyzed: 8/17/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Blank (BEH0886-BLK3)					Prepared: 8/17/2023 Analyzed: 8/18/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
LCS (BEH0886-BS1)					Prepared & Analyzed: 8/17/2023					
Nitrate Nitrogen as NO3N	4.9		0.1	mg/L	5.000		97.8	90-110		
LCS (BEH0886-BS2)					Prepared: 8/17/2023 Analyzed: 8/18/2023					
Nitrate Nitrogen as NO3N	4.9		0.1	mg/L	5.000		98.4	90-110		
Duplicate (BEH0886-DUP1)		**Source: 23H0170-01**			Prepared & Analyzed: 8/17/2023					
Nitrate Nitrogen as NO3N	0.2		0.1	mg/L		0.2			0.475	10
Duplicate (BEH0886-DUP2)		**Source: 23H1556-01**			Prepared: 8/17/2023 Analyzed: 8/18/2023					
Nitrate Nitrogen as NO3N	5.8		0.1	mg/L		5.8			0.172	10
Matrix Spike (BEH0886-MS1)		**Source: 23H0170-01**			Prepared & Analyzed: 8/17/2023					
Nitrate Nitrogen as NO3N	5.2		0.1	mg/L	5.000	0.2	99.6	90-110		
Matrix Spike (BEH0886-MS2)		**Source: 23H1556-01**			Prepared: 8/17/2023 Analyzed: 8/18/2023					
Nitrate Nitrogen as NO3N	10.8		0.1	mg/L	5.000	5.8	98.9	90-110		
Reference (BEH0886-SRM1)					Prepared & Analyzed: 8/17/2023					
Nitrate Nitrogen as NO3N	9.9			mg/L	10.00		98.8	90-110		
Reference (BEH0886-SRM2)					Prepared: 8/17/2023 Analyzed: 8/18/2023					
Nitrate Nitrogen as NO3N	10.0			mg/L	10.00		99.6	90-110		
Reference (BEH0886-SRM3)					Prepared: 8/17/2023 Analyzed: 8/18/2023					
Nitrate Nitrogen as NO3N	10.0			mg/L	10.00		99.6	90-110		

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DELLAVALLE™
LABORATORY INC

Black Diamond Dairy
18607 S Fruit Ave
Riverdale, CA 93656

Account# 00-0025798
Account Manager: Ben Nydam
Submitted By: Christina Mederios

Received: 08/17/2023 9:31
Reported: 08/23/2023 14:51

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0918										
Blank (BEH0918-BLK1)					Prepared: 8/17/2023	Analyzed: 8/18/2023				
Electrical Conductivity	ND		0.01	mmhos/cm						
Blank (BEH0918-BLK2)					Prepared: 8/17/2023	Analyzed: 8/18/2023				
Electrical Conductivity	ND		0.01	mmhos/cm						
Blank (BEH0918-BLK3)					Prepared: 8/17/2023	Analyzed: 8/18/2023				
Electrical Conductivity	ND		0.01	mmhos/cm						
Duplicate (BEH0918-DUP1)		**Source: 23H1497-03**			Prepared: 8/17/2023	Analyzed: 8/18/2023				
Electrical Conductivity	0.02		0.01	mmhos/cm		0.02			9.30	10
Duplicate (BEH0918-DUP2)		**Source: 23H1590-01**			Prepared: 8/17/2023	Analyzed: 8/18/2023				
Electrical Conductivity	0.02		0.01	mmhos/cm		0.02			0.00	10
Reference (BEH0918-SRM1)					Prepared: 8/17/2023	Analyzed: 8/18/2023				
Electrical Conductivity	511			umhos/cm	538.0		94.9	90-110		
Reference (BEH0918-SRM3)					Prepared: 8/17/2023	Analyzed: 8/18/2023				
Electrical Conductivity	956			umhos/cm	1000		95.6	90-110		
Reference (BEH0918-SRM4)					Prepared: 8/17/2023	Analyzed: 8/18/2023				
Electrical Conductivity	956			umhos/cm	1000		95.6	90-110		
Reference (BEH0918-SRM5)					Prepared: 8/17/2023	Analyzed: 8/18/2023				
Electrical Conductivity	971			umhos/cm	1000		97.1	90-110		

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08/17/23 09:31 23H1588 AW

WATER WORK REQUEST

DELLAVALLE LABORATORY, INC.
1910 W. McKinley Avenue, Suite 110 • Fresno, CA 93728
www.dellavallelab.com 559 233-6129 • 800 228-9896 • Fax 559 268-8174

Bill To: Acct No. 25798 Cons. 8

Purchase Order No. _____ Results Needed By _____

No. of Samples 1 No. Bottles 1

Water Type:
- [x] Ag Water
- [x] Supply Water
- [ ] Drinking
- [ ] Ground Water
- [ ] Other
- [ ] Wastewater
- [ ] Mon. Well

Client: **Black Diamond Dairy**
Address: 18607 S Fruit Ave
City, State, Zip: Riverdale Ca 93656
Email: johnny_serpa@yahoo.com

Copy to: mel_tinamedeiros@yahoo.com

Requested by/Cell: Christina Medeiros/ 559-903-2490

Facility: _____

Date sampled _____

Sampled by _____

[✓] QA/QC Document [✓] Copy of Chain [ ] RWQCB

Analysis and Bottles Required: *(Please Indicate Analysis)*

- [x] EC, NO_3-N
  (1) l L plastic, unpreserved (white)
- [ ] DWW1: (EC, pH, NO_3-N, **NH_4-N Field Test)**
  (1) l L plastic, unpreserved (white)
- [ ] DWW2: (DWW1 Plus SO_4, CO_3, HCO_3, Cl, Ca, Mg, Na, TDS)
  (1) l L plastic, unpreserved (white)
- [ ] DCW1: (EC, NO_3-N, TDS)
  (1) l L plastic, unpreserved (white)
- [ ] DPW1: (EC, pH, NO_3-N, NH_4-N, TKN, TDS, TP, TK)
  (1) l L plastic, unpreserved (white)
- [ ] DPW2: (DPW1 Plus Ca, Mg, Na, HCO_3, CO_3, SO_4, Cl)
  (1) l L plastic, unpreserved (white)
- [ ] Other _____

DESCRIPTION OF SAMPLES

		Date Sampled	Time Sampled	Field NH4-N (mg/L)	Received Temp °C
1. Canal	Sampled From:	8/16/23	3:30pm		1.8
2.	Sampled From:				
3.	Sampled From:				
4.	Sampled From:				
5.	Sampled From:				
6.	Sampled From:				
7.	Sampled From:				
8.	Sampled From:				
9.	Sampled From:				
10.	Sampled From:				

CHAIN OF CUSTODY

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First	[signature]	Medeiros		8/16/23 4:35pm
Second	[signature]	DLI	8/16/23 4:35pm	8/16/23
Third	MM	DLI	8/17/23 8:31	
Fourth				

I guarantee that as the client, or on behalf of the client named, I have the authority to contract the above requested services. Should it be found that I do not have such authority, I agree to be personally liable for all costs and, if there should be action against me for this breach, reasonable attorneys' fees. It is understood that payment is expected to be cash with samples unless terms have been previously arranged. Terms are net 30 days; overdue accounts will be charged a dated damage fee of 2% per month (annually 24 %) or $5.00 per month whichever is greater.

If payment is not made when due and a legitimate dispute exists concerning the product or services of Dellavalle Laboratory, Inc., it will be submitted to mediation under the Rules and Procedures of Creative Alternative to Litigation, Inc. (cal). If the dispute is not resolved in mediation, then the dispute will be submitted to binding arbitration through cal under its Rules and Procedures. The prties will equally bear the costs of mediation/arbitration. If, however, the mediator declares that no legitimate dispute exists, then debtor will pay all mediation and arbitration costs, and in the event of arbitration, reasonable attorneys' fees of Dellavalle Laboratory.

Invoicing Information:
Medeiros Pricing 2023
Sampling Hrs ____ Miles ____ Consulting ____

Shipping
$ _____ In
$ _____ Out

Amt Paid ____ Rec By ____ Check No. ____ Date ____

Signature _____

Sample received in cooler with ice?
[ ] Yes [ ] No

ctt:update 2020

IR Thermometer SN: 200560723
Correction Factor: 0°C
Calibration Due: 9/26/2023
Location: Laboratory

08/17/23 09:31 23H1588

Shipping Information: Shipped In ☐ Picked-Up ☐ Walk In ☐ DLI Sampler ☑ Other ☐ _____

☐ Samples refrigerated before pick up | ☐ Picked up samples placed in Ice chest

Container: Ice Chest ☑ Box ☐ None ☐ | **Refrigerant:** Wet Ice ☑ Blue Ice ☐ None ☐

Samples Preserved with HNO_3 or H_2SO_4 were: ☐ Received Preserved ☐ Preserved Upon Receipt at Laboratory

	Type of Container(s) Received	Sample Number 1	2	3	4	5	6	7	8	9	10
	Sample Containers for Internal (DLI) Use *(Containers that go into the Lab)*										
Plastics	100 mL sterile plastic $Na_2S_2O_3$ (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO_3 (Red) Plastic										
	* pH Value										
	250 mL H_2SO_4 (Yellow) Plastic										
	* pH Value										
	500 mL unpreserved (White) Plastic										
	1 L unpreserved (White) Plastic	/									
	1 L unpreserved (BOD) (Purple) Plastic										
Special	500mL unpreserved (White) Glass										
	PO4-P Kit										
	Other:										
	Sample Containers for Subcontracted ("Send Out") Analyses *(Containers that go in the Subcontract ("Send Out") Refrigerator)*										
Plastics	100 mL sterile plastic $Na_2S_2O_3$ (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO_3 (Red) Plastic										
	250 mL H_2SO_4 (Yellow) Plastic										
	500 mL HNO_3 (Red)										
	1 L unpreserved (White) Plastic										
	1 L unpreserved (BOD) (Purple) Plastic										
	1 L HNO_3 (Red)										
VOA Vials	40 mL VOA, $Na_2S_2O_3$ + MCAA (EPA531)										
	40 mL VOA, $Na_2S_2O_3$ (EPA547)										
	40mL AG VOA unpreserved (White) (Set of 3)										
	40 mL AG VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
	40mL VOA, H_3PO_4 (Set of 3)										
	40 mL VOA, HCl (Blue) (Set of 3)										
	40 mL VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
Glass	250 mL AG unpreserved (White)										
	250 mL AG H_2SO_4 (Yellow)										
	250 mL AG $Na_2S_2O_3$ (Green)										
	250 mL AG $Na_2S_2O_3$ + MCAA										
	500 mL glass unpreserved (White)										
	500 mL AG HCl (Blue)										
	1 L AG unpreserved (White)										
	1 L AG H_2SO_4 (Yellow)										
	1 L AG $Na_2S_2O_3$ (Green)										
	1 L AG HCl (Blue)										
Special	Cr^{6+} - 50mL Plastic w/Borate/HCO_3/CO_3										
	Cyanide - 500 mL NaOH										
	Asbestos - 1L P wrapped in foil (Set of 2)										
	Sulfide - 1 L **AG** or **P** NaOH + ZnAc										
	Chlorite/Bromate - 250 mL AG with EDA										
	HAA5 - 250mL AG Ammonium Chlorite										
	DO KIT										
	Other:										

DLI SEND OUT