Annual Report - General Order No. R5-2007-0035
Reporting period 01/01/2009 to 12/31/2009.

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JUN 28 2010
RWQCB-CVR
FRESNO, CALIF.

DAIRY FACILITY INFORMATION

A. NAME OF DAIRY OR BUSINESS OPERATING THE DAIRY: [redacted]

Physical address of dairy:

[redacted] Number and Street | [redacted] City | [redacted] County | [redacted] Zip Code

Street and nearest cross street (if no address):

Date facility was originally placed in operation: [redacted]

Regional Water Quality Control Board Basin Plan designation: [redacted]

County Assessor Parcel Number(s) for dairy facility:

[redacted]

B. OPERATORS

[redacted]

Operator name: [redacted] Telephone no.: Landline [redacted] Cellular

[redacted] Mailing Address Number and Street | [redacted] City | [redacted] State | [redacted] Zip Code

This operator is responsible for paying permit fees.

C. OWNERS

[redacted]

Legal owner name: [redacted] Telephone no.: Landline [redacted] Cellular

[redacted] Mailing Address Number and Street | [redacted] City | [redacted] State | [redacted] Zip Code

This owner is responsible for paying permit fees.

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AVAILABLE NUTRIENTS

A. HERD INFORMATION

	Milk Cows	Dry Cows	Bred Heifers (15-24 mo.)	Heifers (7-14 mo. to breeding)	Calves (4-6 mo.)	Calves (0-3 mo.)
Number open confinement	193	25	63	0	0	0
Number under roof	0	0	0	0	0	0
Maximum number	193	25	63	0	0	0
Avg live weight (lbs)	1,400	1,450	1,150	0		

Predominant milk cow breed: Holstein

Average milk production: 68 *pounds per cow per day*

B. MANURE GENERATED

Total manure excreted by the herd: 5,960.04 *tons per reporting period*

Total nitrogen from manure: 74,677.26 *lbs per reporting period*

After ammonia losses (30% loss applied): 52,274.08 *lbs per reporting period*

Total phosphorus from manure: 12,463.24 *lbs per reporting period*

Total potassium from manure: 36,707.68 *lbs per reporting period*

Total salt from manure: 96,622.80 *lbs per reporting period*

C. PROCESS WASTEWATER GENERATED

Process wastewater generated: 843,000 *gallons*

Total nitrogen generated: 1,113.81 *lbs*

Total phosphorus generated: 360.00 *lbs*

Total potassium generated: 2,307.35 *lbs*

Total salt generated: 12.61 *lbs*

	843,000 *gallons applied*
+	0 *gallons exported*
-	0 *gallons imported*
=	843,000 *gallons generated*

D. IRRIGATION SOURCES

Irrigation Source Name	Type
Pump #1	Ground water

E. NUTRIENT IMPORTS

No nutrient imports entered.

F. NUTRIENT EXPORTS

No solid nutrient exports entered.

No liquid nutrient exports entered.

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APPLICATION AREA

A. LIST OF LAND APPLICATION AREAS

Field name	Parcel number	Controlled acres	Cropable acres	Type of waste applied
#1	[redacted]	15	15	both
#2	[redacted]	39	39	both
#3	[redacted]	10	10	both

B. CROPS AND HARVESTS

#1

Field name: #1

12/02/2008: Wheat, silage, soft dough 12/02/2008

Crop: 12/02/2008: Wheat, silage, soft dough Acres planted: 15 Plant date: 12/02/2008

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	Total N (%)	Total P (%)	K (%)	Total salt (%)
04/19/2009	225.00 *ton*	Dry-weight		1.0	0.010000	0.010000	0.010000	0.010000

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)
Anticipated harvest content	18.00	198.00	30.60	149.40	0.00
Total actual harvest content	15.00	2.97	2.97	2.97	2.97

#1

07/01/2009: Corn, silage — 07/01/2009

Crop: 07/01/2009: Corn, silage — Acres planted: 15 Plant date: 07/01/2009

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	Total N (%)	Total P (%)	K (%)	Total salt (%)
10/01/2009	420.00 *ton*	Dry-weight		1.0	0.010000	0.010000	0.010000	0.010000

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	0.00
Total actual harvest content	28.00	5.54	5.54	5.54	5.54

#2

Field name: #2

12/02/2008: Wheat, silage, soft dough — 12/02/2008

Crop: 12/02/2008: Wheat, silage, soft dough — Acres planted: 39 Plant date: 12/02/2008

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	Total N (%)	Total P (%)	K (%)	Total salt (%)
04/19/2009	450.00 *ton*	Dry-weight		1.0	0.010000	0.010000	0.010000	0.010000

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)
Anticipated harvest content	18.00	198.00	30.60	149.40	0.00
Total actual harvest content	11.54	2.28	2.28	2.28	2.28

#2

07/01/2009: Corn, silage — 07/01/2009

Crop: 07/01/2009: Corn, silage — Acres planted: 39 Plant date: 07/01/2009

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	Total N (%)	Total P (%)	K (%)	Total salt (%)
10/01/2009	840.00 *ton*	Dry-weight		1.0	0.010000	0.010000	0.010000	0.010000

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	0.00
Total actual harvest content	21.54	4.26	4.26	4.26	4.26

#3

Field name: #3

12/02/2008: Wheat, silage, soft dough — 12/02/2008

Crop: 12/02/2008: Wheat, silage, soft dough — Acres planted: 10 Plant date: 12/02/2008

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	Total N (%)	Total P (%)	K (%)	Total salt (%)
04/19/2009	150.00 *ton*	Dry-weight		1.0	0.010000	0.010000	0.010000	0.010000

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)
Anticipated harvest content	18.00	198.00	30.60	149.40	0.00
Total actual harvest content	15.00	2.97	2.97	2.97	2.97

#3

07/01/2009: Corn, silage 07/01/2009

Crop: 07/01/2009: Corn, silage Acres planted: 10 Plant date: 07/01/2009

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	Total N (%)	Total P (%)	K (%)	Total salt (%)
10/01/2009	280.00 *ton*	Dry-weight		1.0	0.010000	0.010000	0.010000	0.010000

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	0.00
Total actual harvest content	28.00	5.54	5.54	5.54	5.54

NUTRIENT BUDGET

A. LAND APPLICATIONS

#1 - 12/02/2008: Wheat, silage, soft dough

Field name: #1

Crop: Wheat, silage, soft dough — Plant date: 12/02/2008

Application date	Application method	Weather 24 hours prior	Weather during application	Weather 24 hours following
10/20/2008	Broadcast/incorporate	Sunny	Sunny	Sunny

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
Manure	Corral solids	388.64	68.39	365.29	1.67	150.00 *ton*
Application event totals		388.64	68.39	365.29	1.67	

Application date	Application method	Weather 24 hours prior	Weather during application	Weather 24 hours following
11/15/2008	Pipeline	Cloudy	Cloudy	Sunny

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
lagoon	Process wastewater	2.44	0.80	3.56	0.02	27,000.00 *gal*
Application event totals		2.44	0.80	3.56	0.02	

Application date	Application method	Weather 24 hours prior	Weather during application	Weather 24 hours following
11/15/2008	Pipeline	Cloudy	Cloudy	Sunny

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
Pump #1	Ground water	0.11	0.00	0.00	0.26	1,890,000.00 *gal*
Application event totals		0.11	0.00	0.00	0.26	

Application date	Application method	Weather 24 hours prior	Weather during application	Weather 24 hours following
02/10/2009	Pipeline	Sunny	Sunny	Sunny

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
lagoon	Process wastewater	2.38	0.77	4.97	0.03	27,000.00 *gal*
Application event totals		2.38	0.77	4.97	0.03	

#1 - 12/02/2008: Wheat, silage, soft dough

Application date	Application method	Weather 24 hours prior	Weather during application	Weather 24 hours following
02/10/2009	Pipeline	Sunny	Sunny	Sunny

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
Pump #1	Ground water	0.11	0.00	0.00	0.26	1,890,000.00 *gal*
Application event totals		0.11	0.00	0.00	0.26	

#1 - 07/01/2009: Corn, silage

Field name: #1

Crop: Corn, silage Plant date: 07/01/2009

Application date	Application method	Weather 24 hours prior	Weather during application	Weather 24 hours following
06/01/2009	Broadcast/incorporate	Sunny	Sunny	Sunny

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
Manure	Corral solids	388.64	68.39	365.29	1.67	150.00 *ton*
Application event totals		388.64	68.39	365.29	1.67	

Application date	Application method	Weather 24 hours prior	Weather during application	Weather 24 hours following
06/10/2009	Pipeline	Sunny	Sunny	Sunny

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
lagoon	Process wastewater	2.38	0.77	4.97	0.03	27,000.00 *gal*
Application event totals		2.38	0.77	4.97	0.03	

#1 - 07/01/2009: Corn, silage

Application date	Application method	Weather 24 hours prior	Weather during application	Weather 24 hours following
06/10/2009	Pipeline	Sunny	Sunny	Sunny

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
Pump #1	Ground water	0.11	0.00	0.00	0.26	1,890,000.00 *gal*
Application event totals		0.11	0.00	0.00	0.26	

06/21/2009	Pipeline	Sunny	Sunny	Sunny

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
lagoon	Process wastewater	2.38	0.77	4.97	0.03	27,000.00 *gal*
Application event totals		2.38	0.77	4.97	0.03	

06/21/2009	Pipeline	Sunny	Sunny	Sunny

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
Pump #1	Ground water	0.11	0.00	0.00	0.26	1,890,000.00 *gal*
Application event totals		0.11	0.00	0.00	0.26	

07/12/2009	Pipeline	Cloudy	Sunny	Sunny

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
lagoon	Process wastewater	2.38	0.77	4.97	0.03	27,000.00 *gal*
Application event totals		2.38	0.77	4.97	0.03	

07/12/2009	Pipeline	Cloudy	Sunny	Sunny

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
Pump #1	Ground water	0.11	0.00	0.00	0.26	1,890,000.00 *gal*
Application event totals		0.11	0.00	0.00	0.26	

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#1 - 07/01/2009: Corn, silage

Application date	Application method	Weather 24 hours prior	Weather during application	Weather 24 hours following
08/01/2009	Pipeline	Sunny	Sunny	Cloudy

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
lagoon	Process wastewater	2.38	0.77	4.97	0.03	27,000.00 *gal*
Application event totals		2.38	0.77	4.97	0.03	

Application date	Application method	Weather 24 hours prior	Weather during application	Weather 24 hours following
08/01/2009	Pipeline	Sunny	Sunny	Cloudy

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
Pump #1	Ground water	0.11	0.00	0.00	0.26	1,890,000.00 *gal*
Application event totals		0.11	0.00	0.00	0.26	

Application date	Application method	Weather 24 hours prior	Weather during application	Weather 24 hours following
08/22/2009	Pipeline	Cloudy	Cloudy	Sunny

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
lagoon	Process wastewater	2.38	0.77	4.97	0.03	27,000.00 *gal*
Application event totals		2.38	0.77	4.97	0.03	

Application date	Application method	Weather 24 hours prior	Weather during application	Weather 24 hours following
08/22/2009	Pipeline	Cloudy	Cloudy	Sunny

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
Pump #1	Ground water	0.11	0.00	0.00	0.26	1,890,000.00 *gal*
Application event totals		0.11	0.00	0.00	0.26	

#2 - 12/02/2008: Wheat, silage, soft dough

Field name: #2

Crop: Wheat, silage, soft dough

Plant date: 12/02/2008

#2 - 12/02/2008: Wheat, silage, soft dough

Application date	Application method	Weather 24 hours prior	Weather during application	Weather 24 hours following
10/20/2008	Broadcast/incorporate	Sunny	Sunny	Sunny

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
Manure	Corral solids	298.96	52.61	280.99	1.28	300.00 *ton*
Application event totals		298.96	52.61	280.99	1.28	

Application date	Application method	Weather 24 hours prior	Weather during application	Weather 24 hours following
11/15/2008	Pipeline	Cloudy	Cloudy	Cloudy

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
lagoon	Process wastewater	1.83	0.59	3.82	0.02	54,000.00 *gal*
Application event totals		1.83	0.59	3.82	0.02	

Application date	Application method	Weather 24 hours prior	Weather during application	Weather 24 hours following
11/15/2008	Pipeline	Cloudy	Cloudy	Cloudy

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
Pump #1	Ground water	0.09	0.00	0.00	0.21	4,032,000.00 *gal*
Application event totals		0.09	0.00	0.00	0.21	

Application date	Application method	Weather 24 hours prior	Weather during application	Weather 24 hours following
02/10/2009	Pipeline	Sunny	Sunny	Sunny

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
lagoon	Process wastewater	1.83	0.59	3.82	0.02	54,000.00 *gal*
Application event totals		1.83	0.59	3.82	0.02	

Application date	Application method	Weather 24 hours prior	Weather during application	Weather 24 hours following
02/10/2009	Pipeline	Sunny	Sunny	Sunny

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
Pump #1	Ground water	0.09	0.00	0.00	0.21	4,032,000.00 *gal*
Application event totals		0.09	0.00	0.00	0.21	

#2 - 07/01/2009: Corn, silage

Field name: #2

Crop: Corn, silage

Plant date: 07/01/2009

Application date	Application method	Weather 24 hours prior	Weather during application	Weather 24 hours following
06/01/2009	Broadcast/incorporate	Sunny	Sunny	Sunny

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
Manure	Corral solids	298.96	52.61	280.99	1.28	300.00 *ton*
Application event totals		298.96	52.61	280.99	1.28	

06/10/2009	Pipeline	Sunny	Sunny	Sunny

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
lagoon	Process wastewater	1.83	0.59	3.82	0.02	54,000.00 *gal*
Application event totals		1.83	0.59	3.82	0.02	

06/10/2009	Pipeline	Sunny	Sunny	Sunny

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
Pump #1	Ground water	0.09	0.00	0.00	0.21	4,032,000.00 *gal*
Application event totals		0.09	0.00	0.00	0.21	

06/21/2009	Pipeline	Sunny	Sunny	Sunny

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
lagoon	Process wastewater	1.83	0.59	3.82	0.02	54,000.00 *gal*
Application event totals		1.83	0.59	3.82	0.02	

#2 - 07/01/2009: Corn, silage

Application date	Application method	Weather 24 hours prior	Weather during application	Weather 24 hours following
06/21/2009	Pipeline	Sunny	Sunny	Sunny

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
Pump #1	Ground water	0.09	0.00	0.00	0.21	4,032,000.00 *gal*
Application event totals		0.09	0.00	0.00	0.21	

Application date	Application method	Weather 24 hours prior	Weather during application	Weather 24 hours following
07/21/2009	Pipeline	Cloudy	Sunny	Sunny

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
lagoon	Process wastewater	1.83	0.59	3.82	0.02	54,000.00 *gal*
Application event totals		1.83	0.59	3.82	0.02	

Application date	Application method	Weather 24 hours prior	Weather during application	Weather 24 hours following
08/01/2009	Pipeline	Sunny	Sunny	Cloudy

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
lagoon	Process wastewater	1.83	0.59	3.82	0.02	54,000.00 *gal*
Application event totals		1.83	0.59	3.82	0.02	

Application date	Application method	Weather 24 hours prior	Weather during application	Weather 24 hours following
08/01/2009	Pipeline	Sunny	Sunny	Cloudy

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
Pump #1	Ground water	0.09	0.00	0.00	0.21	4,032,000.00 *gal*
Application event totals		0.09	0.00	0.00	0.21	

Application date	Application method	Weather 24 hours prior	Weather during application	Weather 24 hours following
08/22/2009	Pipeline	Cloudy	Cloudy	Sunny

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
lagoon	Process wastewater	1.83	0.59	3.82	0.02	54,000.00 *gal*
Application event totals		1.83	0.59	3.82	0.02	

#2 - 07/01/2009: Corn, silage

Application date	Application method	Weather 24 hours prior	Weather during application	Weather 24 hours following
08/22/2009	Pipeline	Cloudy	Cloudy	Sunny

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
Pump #1	Ground water	0.09	0.00	0.00	0.21	4,032,000.00 *gal*
Application event totals		0.09	0.00	0.00	0.21	

#3 - 12/02/2008: Wheat, silage, soft dough

Field name: #3

Crop: Wheat, silage, soft dough

Plant date: 12/02/2008

Application date	Application method	Weather 24 hours prior	Weather during application	Weather 24 hours following
10/20/2008	Broadcast/incorporate	Sunny	Sunny	Sunny

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
Manure	Corral solids	388.64	68.39	365.29	1.67	100.00 *ton*
Application event totals		388.64	68.39	365.29	1.67	

Application date	Application method	Weather 24 hours prior	Weather during application	Weather 24 hours following
11/15/2008	Pipeline	Cloudy	Cloudy	Cloudy

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
lagoon	Process wastewater	2.38	0.77	4.97	0.03	18,000.00 *gal*
Application event totals		2.38	0.77	4.97	0.03	

#3 - 12/02/2008: Wheat, silage, soft dough

Application date	Application method	Weather 24 hours prior	Weather during application	Weather 24 hours following
11/15/2008	Pipeline	Cloudy	Cloudy	Cloudy

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
Pump #1	Ground water	0.01	0.00	0.00	0.03	168,000.00 *gal*
Application event totals		0.01	0.00	0.00	0.03	

Application date	Application method	Weather 24 hours prior	Weather during application	Weather 24 hours following
02/10/2009	Pipeline	Sunny	Sunny	Sunny

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
lagoon	Process wastewater	22.18	7.16	46.40	0.25	168,000.00 *gal*
Application event totals		22.18	7.16	46.40	0.25	

Application date	Application method	Weather 24 hours prior	Weather during application	Weather 24 hours following
02/10/2009	Pipeline	Sunny	Sunny	Sunny

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
Pump #1	Ground water	0.14	0.00	0.00	0.34	1,680,000.00 *gal*
Application event totals		0.14	0.00	0.00	0.34	

#3 - 07/01/2009: Corn, silage

Field name: #3

Crop: Corn, silage

Plant date: 07/01/2009

Application date	Application method	Weather 24 hours prior	Weather during application	Weather 24 hours following

#3 - 07/01/2009: Corn, silage

Application date	Application method	Weather 24 hours prior	Weather during application	Weather 24 hours following
06/01/2009	Broadcast/incorporate	Sunny	Sunny	Sunny

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
Manure	Corral solids	388.64	68.39	365.29	1.67	100.00 *ton*
Application event totals		388.64	68.39	365.29	1.67	

06/10/2009	Pipeline	Sunny	Sunny	Sunny

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
lagoon	Process wastewater	2.38	0.77	4.97	0.03	18,000.00 *gal*
Application event totals		2.38	0.77	4.97	0.03	

06/10/2009	Pipeline	Sunny	Sunny	Sunny

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
Pump #1	Ground water	0.14	0.00	0.00	0.34	1,680,000.00 *gal*
Application event totals		0.14	0.00	0.00	0.34	

06/21/2009	Pipeline	Sunny	Sunny	Sunny

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
lagoon	Process wastewater	2.38	0.77	4.97	0.03	18,000.00 *gal*
Application event totals		2.38	0.77	4.97	0.03	

06/21/2009	Pipeline	Sunny	Sunny	Sunny

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
Pump #1	Ground water	0.14	0.00	0.00	0.34	1,680,000.00 *gal*
Application event totals		0.14	0.00	0.00	0.34	

#3 - 07/01/2009: Corn, silage

Application date	Application method	Weather 24 hours prior	Weather during application	Weather 24 hours following
07/12/2009	Pipeline	Cloudy	Sunny	Sunny

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
lagoon	Process wastewater	2.38	0.77	4.97	0.03	18,000.00 *gal*
Application event totals		2.38	0.77	4.97	0.03	

Application date	Application method	Weather 24 hours prior	Weather during application	Weather 24 hours following
07/12/2009	Pipeline	Cloudy	Sunny	Sunny

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
Pump #1	Ground water	0.14	0.00	0.00	0.34	1,680,000.00 *gal*
Application event totals		0.14	0.00	0.00	0.34	

Application date	Application method	Weather 24 hours prior	Weather during application	Weather 24 hours following
08/01/2009	Pipeline	Sunny	Sunny	Cloudy

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
lagoon	Process wastewater	2.38	0.77	4.97	0.03	18,000.00 *gal*
Application event totals		2.38	0.77	4.97	0.03	

Application date	Application method	Weather 24 hours prior	Weather during application	Weather 24 hours following
08/01/2009	Pipeline	Sunny	Sunny	Cloudy

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
Pump #1	Ground water	0.14	0.00	0.00	0.34	1,680,000.00 *gal*
Application event totals		0.14	0.00	0.00	0.34	

Application date	Application method	Weather 24 hours prior	Weather during application	Weather 24 hours following
08/22/2009	Pipeline	Cloudy	Cloudy	Sunny

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
lagoon	Process wastewater	2.38	0.77	4.97	0.03	18,000.00 *gal*
Application event totals		2.38	0.77	4.97	0.03	

#3 - 07/01/2009: Corn, silage

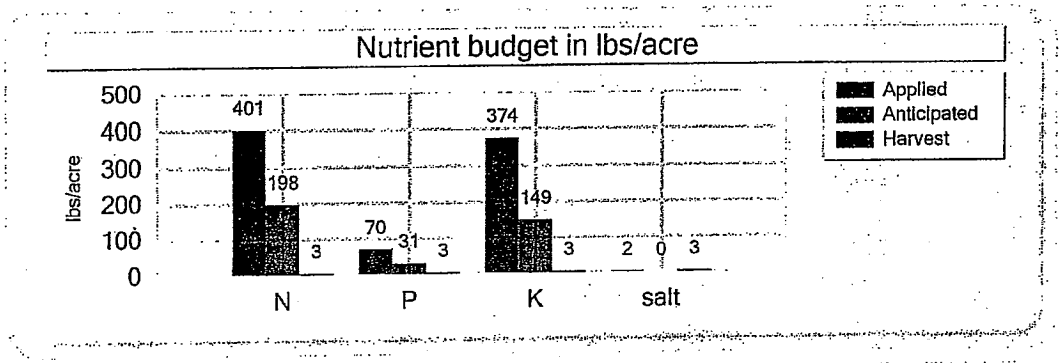
Application date	Application method	Weather 24 hours prior	Weather during application	Weather 24 hours following
08/22/2009	Pipeline	Cloudy	Cloudy	Sunny

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Total salt (lbs/acre)	Amount
Pump #1	Ground water	0.14	0.00	0.00	0.34	1,680,000.00 *gal*
Application event totals		0.14	0.00	0.00	0.34	

B. NUTRIENT BUDGET

#1 - 12/02/2008: Wheat, silage, soft dough

Field name: #1 Crop: Wheat, silage, soft dough Plant date: 12/02/2008



	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	388.64	68.39	365.29	1.67
Process wastewater	4.81	1.57	8.53	0.05
Irrigation water	0.21	0.00	0.00	0.52
Plant tissue	0.00	0.00	0.00	0.00
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	400.67	69.96	373.82	2.24
Anticipated crop nutrient removal	198.00	30.60	149.40	0.00
Actual crop nutrient removal	2.97	2.97	2.97	2.97
Nutrient balance	397.70	66.99	370.85	-0.73
Applied to removed ratio	134.90	23.55	125.87	0.75

Fresh water applied

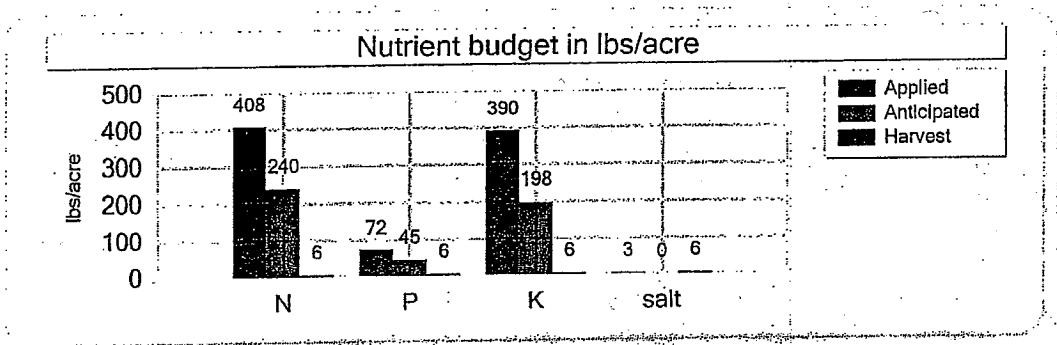
3,780,000.00 *gallons*
139.20 *acre-inches*
9.28 *inches/acre*

Process wastewater applied

54,000.00 *gallons*
1.99 *acre-inches*
0.13 *inches/acre*

#1 - 07/01/2009: Corn, silage

Field name: #1 Crop: Corn, silage Plant date: 07/01/2009



	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	388.64	68.39	365.29	1.67
Process wastewater	11.88	3.84	24.86	0.14
Irrigation water	0.53	0.00	0.00	1.29
Plant tissue	0.00	0.00	0.00	0.00
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	408.05	72.23	390.15	3.10
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00
Actual crop nutrient removal	5.54	5.54	5.54	5.54
Nutrient balance	402.51	66.68	384.61	-2.45
Applied to removed ratio	73.60	13.03	70.37	0.56

Fresh water applied

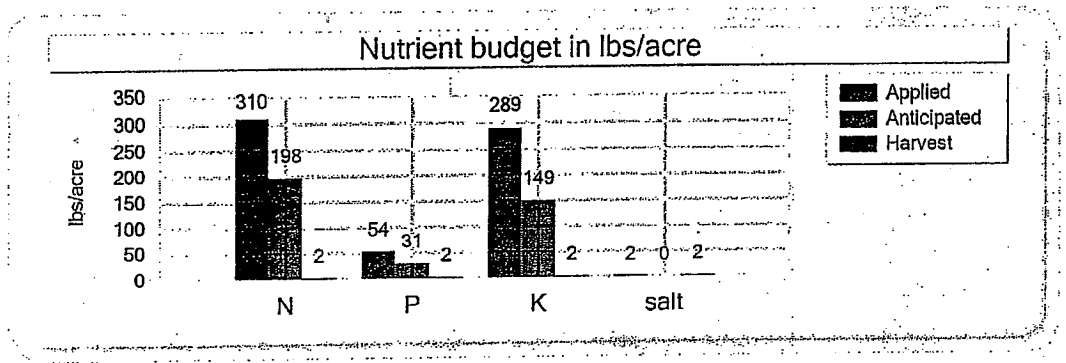
9,450,000.00 *gallons*
348.01 *acre-inches*
23.20 *inches/acre*

Process wastewater applied

135,000.00 *gallons*
4.97 *acre-inches*
0.33 *inches/acre*

#2 - 12/02/2008: Wheat, silage, soft dough

Field name: #2 Crop: Wheat, silage, soft dough Plant date: 12/02/2008



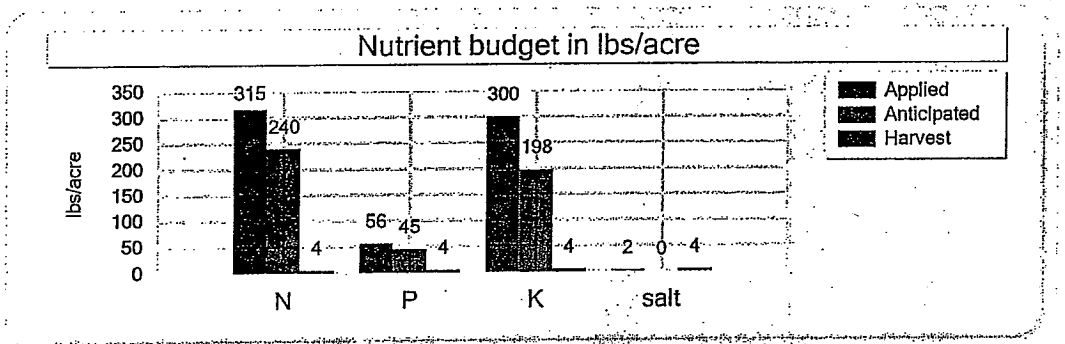
	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	298.96	52.61	280.99	1.28
Process wastewater	3.66	1.18	7.65	0.04
Irrigation water	0.17	0.00	0.00	0.42
Plant tissue	0.00	0.00	0.00	0.00
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	309.79	53.79	288.64	1.75
Anticipated crop nutrient removal	198.00	30.60	149.40	0.00
Actual crop nutrient removal	2.28	2.28	2.28	2.28
Nutrient balance	307.50	51.50	286.36	-0.54
Applied to removed ratio	135.60	23.54	126.34	0.77

Fresh water applied
8,064,000.00 *gallons*
296.97 *acre-inches*
7.61 *inches/acre*

Process wastewater applied
108,000.00 *gallons*
3.98 *acre-inches*
0.10 *inches/acre*

#2 - 07/01/2009: Corn, silage

Field name: #2 Crop: Corn, silage Plant date: 07/01/2009



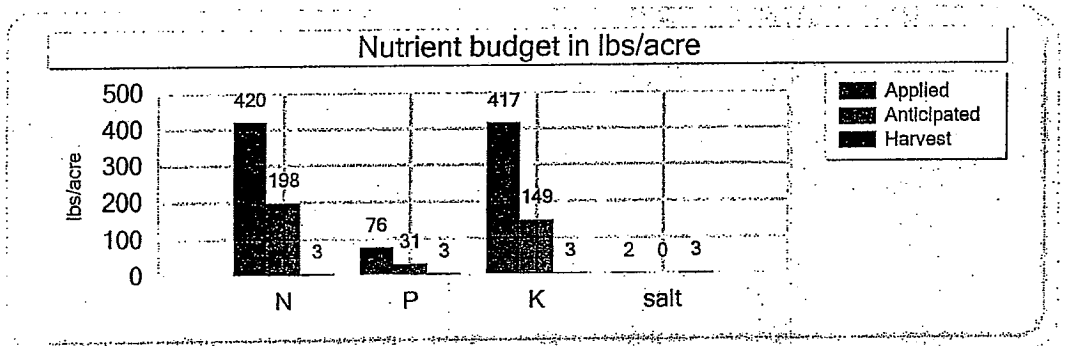
	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	298.96	52.61	280.99	1.28
Process wastewater	9.14	2.95	19.12	0.10
Irrigation water	0.35	0.00	0.00	0.85
Plant tissue	0.00	0.00	0.00	0.00
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	315.44	55.56	300.12	2.24
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00
Actual crop nutrient removal	4.26	4.26	4.26	4.26
Nutrient balance	311.18	51.29	295.85	-2.03
Applied to removed ratio	73.97	13.03	70.37	0.52

Fresh water applied
16,128,000.00 *gallons*
593.94 *acre-inches*
15.23 *inches/acre*

Process wastewater applied
270,000.00 *gallons*
9.94 *acre-inches*
0.25 *inches/acre*

#3 - 12/02/2008: Wheat, silage, soft dough

Field name: #3 Crop: Wheat, silage, soft dough Plant date: 12/02/2008



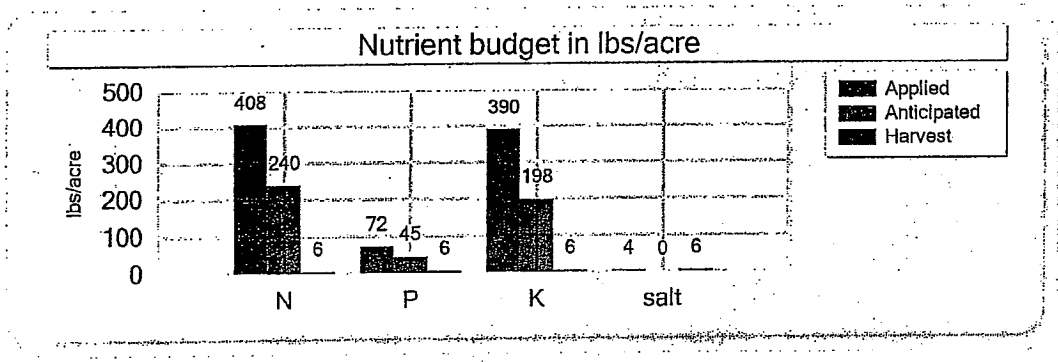
	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	388.64	68.39	365.29	1.67
Process wastewater	24.56	7.93	51.38	0.28
Irrigation water	0.15	0.00	0.00	0.38
Plant tissue	0.00	0.00	0.00	0.00
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	420.35	76.32	416.67	2.33
Anticipated crop nutrient removal	198.00	30.60	149.40	0.00
Actual crop nutrient removal	2.97	2.97	2.97	2.97
Nutrient balance	417.38	73.35	413.70	-0.64
Applied to removed ratio	141.53	25.70	140.29	0.78

Fresh water applied
1,848,000.00 *gallons*
68.06 *acre-inches*
6.81 *inches/acre*

Process wastewater applied
186,000.00 *gallons*
6.85 *acre-inches*
0.68 *inches/acre*

#3 - 07/01/2009: Corn, silage

Field name: #3 Crop: Corn, silage Plant date: 07/01/2009



	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	388.64	68.39	365.29	1.67
Process wastewater	11.88	3.84	24.86	0.14
Irrigation water	0.70	0.00	0.00	1.72
Plant tissue	0.00	0.00	0.00	0.00
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	408.23	72.23	390.15	3.53
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00
Actual crop nutrient removal	5.54	5.54	5.54	5.54
Nutrient balance	402.68	66.68	384.61	-2.02
Applied to removed ratio	73.63	13.03	70.37	0.64

Fresh water applied
8,400,000.00 *gallons*
309.34 *acre-inches*
30.93 *inches/acre*

Process wastewater applied
90,000.00 *gallons*
3.31 *acre-inches*
0.33 *inches/acre*

NUTRIENT ANALYSES

A. MANURE ANALYSES

132921

Sample and source description: 132921

Sample date: 07/17/2009 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Density: _____ *lbs/cu ft* Moisture: 16.6 %

	Total N (%)	Total P (%)	K (%)	Calcium (%)	Magnesium (%)	Sodium (%)	Bicarbonate (%)	Carbonate (%)	Sulfate (%)	Chloride (%)	Total salt (%)
Value	2.330000	0.410000	2.190000	0.010000	0.010000	0.010000	0.010000	0.010000	0.010000	0.010000	0.010000
DL	0.100000	0.020000	0.020000	0.010000	0.010000	0.010000	0.010000	0.010000	0.010000	0.010000	0.010000

138067

Sample and source description: 138067

Sample date: 11/18/2009 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Density: _____ *lbs/cu ft* Moisture: 16.5 %

	Total N (%)	Total P (%)	K (%)	Calcium (%)	Magnesium (%)	Sodium (%)	Bicarbonate (%)	Carbonate (%)	Sulfate (%)	Chloride (%)	Total salt (%)
Value	1.520000	0.440000	1.870000	0.010000	0.010000	0.010000	0.010000	0.010000	0.010000	0.010000	0.010000
DL	0.100000	0.010000	0.010000	0.010000	0.010000	0.010000	0.010000	0.010000	0.010000	0.010000	0.010000

B. PROCESS WASTEWATER ANALYSES

131930

Sample and source description: 131930

Sample date: 07/01/2009 Material type: Process wastewater Source of analysis: Lab analysis

	Kjeldahl-N (mg/L)	Ammonium-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	K (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)
Value	158.00	119.00	0.20	51.10	331.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	3.00
DL	1.00	0.50	0.01	0.10	0.52	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

136135

Sample and source description: 136135

Sample date: 09/26/2009 Material type: Process wastewater Source of analysis: Lab analysis

	Kjeldahl-N (mg/L)	Ammonium-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	K (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)
Value	162.00	107.00	0.20	53.40	237.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	2.63
DL	1.00	0.50	0.10	0.10	0.50	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

138066

Sample and source description: 138066

Sample date: 11/18/2009 Material type: Process wastewater Source of analysis: Lab analysis

	Kjeldahl-N (mg/L)	Ammonium-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	K (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)
Value	93.20	64.10	0.20	57.80	188.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	2.20
DL	1.00	0.50	0.10	0.10	0.50	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

C. IRRIGATION WATER ANALYSES

Pump #1

137056

Sample description: 137056

Sample date: 10/19/2009 Source of analysis: Lab analysis

	Total N (mg/L)	EC (µmhos/cm)
Value	0.10	0.41
DL	0.10	0.01

D. SOIL ANALYSES

#1

138011 Depth "1"

Sample and source description: 138011 Depth "1"

Sample date: 11/17/2009 Source of analysis: Lab analysis

	Nitrate-N (mg/kg)	Total P (mg/kg)	Soluble P (mg/kg)	K (mg/kg)	Total salt (mg/kg)	Organic matter (%)
Value	59.00	64.00	56.00	655.00	0.01	0.01
DL	0.01	0.01	0.01	0.01	0.01	0.01

#1

138011 Depth "2"

Sample and source description: 138011 Depth "2"

Sample date: 11/17/2009 Source of analysis: Lab analysis

	Nitrate-N (mg/kg)	Total P (mg/kg)	Soluble P (mg/kg)	K (mg/kg)	Total salt (mg/kg)	Organic matter (%)
Value	49.00	64.00	56.00	655.00	0.01	0.01
DL	0.01	0.01	0.01	0.01	0.01	0.01

#2

138011 Depth "1"

Sample and source description: 138011 Depth "1"

Sample date: 11/17/2009 Source of analysis: Lab analysis

	Nitrate-N (mg/kg)	Total P (mg/kg)	Soluble P (mg/kg)	K (mg/kg)	Total salt (mg/kg)	Organic matter (%)
Value	13.00	54.00	51.00	344.00	0.01	0.01
DL	0.01	0.01	0.01	0.01	0.01	0.01

138011 Depth "2"

Sample and source description: 138011 Depth "2"

Sample date: 11/17/2009 Source of analysis: Lab analysis

	Nitrate-N (mg/kg)	Total P (mg/kg)	Soluble P (mg/kg)	K (mg/kg)	Total salt (mg/kg)	Organic matter (%)
Value	10.00	54.00	51.00	344.00	0.01	0.01
DL	0.01	0.01	0.01	0.01	0.01	0.01

#3

138011 Depth "1"

Sample and source description: 138011 Depth "1"

Sample date: 11/17/2009 Source of analysis: Lab analysis

	Nitrate-N (mg/kg)	Total P (mg/kg)	Soluble P (mg/kg)	K (mg/kg)	Total salt (mg/kg)	Organic matter (%)
Value	22.00	68.00	51.00	514.00	0.01	0.01
DL	0.01	0.01	0.01	0.01	0.01	0.01

138011 Depth "2"

Sample and source description: 138011 Depth "2"

Sample date: 11/17/2009 Source of analysis: Lab analysis

	Nitrate-N (mg/kg)	Total P (mg/kg)	Soluble P (mg/kg)	K (mg/kg)	Total salt (mg/kg)	Organic matter (%)
Value	22.00	68.00	51.00	514.00	0.01	0.01
DL	0.01	0.01	0.01	0.01	0.01	0.01

E. PLANT TISSUE ANALYSES

#1 - 12/02/2008: Wheat, silage, soft dough

#1 - 12/02/2008: Wheat, silage, soft dough

Crop Harvest No Sample taken

Sample and source description: Crop Harvest No Sample taken

Sample date: 01/01/2009 Source of analysis: Other/estimated Method of reporting: Dry-weight

Density: _____ *lbs/cu ft* Moisture: 1.0 %

	Total N (%)	Total P (%)	K (%)	Total salt (%)
Value	0.010000	0.010000	0.010000	0.010000
DL	0.010000	0.010000	0.010000	0.010000

#1 - 07/01/2009: Corn, silage

Crop Harvest No Sample taken

Sample and source description: Crop Harvest No Sample taken

Sample date: 01/01/2009 Source of analysis: Lab analysis Method of reporting: Dry-weight

Density: _____ *lbs/cu ft* Moisture: 1.0 %

	Total N (%)	Total P (%)	K (%)	Total salt (%)
Value	0.010000	0.010000	0.010000	0.010000
DL	0.010000	0.010000	0.010000	0.010000

#2 - 12/02/2008: Wheat, silage, soft dough

#2 - 12/02/2008: Wheat, silage, soft dough

Crop Harvest No Sample taken

Sample and source description: Crop Harvest No Sample taken

Sample date: 01/01/2009 Source of analysis: Lab analysis Method of reporting: Dry-weight

Density: _____ *lbs/cu ft* Moisture: 1.0 %

	Total N (%)	Total P (%)	K (%)	Total salt (%)
Value	0.010000	0.010000	0.010000	0.010000
DL	0.010000	0.010000	0.010000	0.010000

#2 - 07/01/2009: Corn, silage

Crop Harvest No Sample taken

Sample and source description: Crop Harvest No Sample taken

Sample date: 01/01/2009 Source of analysis: Lab analysis Method of reporting: Dry-weight

Density: _____ *lbs/cu ft* Moisture: 1.0 %

	Total N (%)	Total P (%)	K (%)	Total salt (%)
Value	0.010000	0.010000	0.010000	0.010000
DL	0.010000	0.010000	0.010000	0.010000

#3 - 12/02/2008: Wheat, silage, soft dough

#3 - 12/02/2008: Wheat, silage, soft dough

Crop Harvest No Sample taken

Sample and source description: Crop Harvest No Sample taken

Sample date: 01/01/2009 Source of analysis: Lab analysis Method of reporting: Dry-weight

Density: _____ *lbs/cu ft* Moisture: 1.0 %

	Total N (%)	Total P (%)	K (%)	Total salt (%)
Value	0.010000	0.010000	0.010000	0.010000
DL	0.010000	0.010000	0.010000	0.010000

#3 - 07/01/2009: Corn, silage

Crop Harvest No Sample taken

Sample and source description: Crop Harvest No Sample taken

Sample date: 01/01/2009 Source of analysis: Lab analysis Method of reporting: Dry-weight

Density: _____ *lbs/cu ft* Moisture: 1.0 %

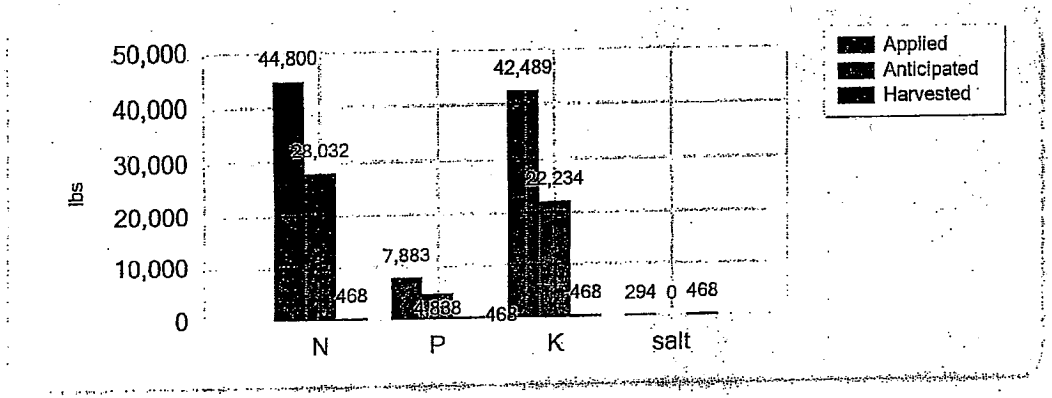
	Total N (%)	Total P (%)	K (%)	Total salt (%)
Value	0.010000	0.010000	0.010000	0.010000
DL	0.010000	0.010000	0.010000	0.010000

NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE

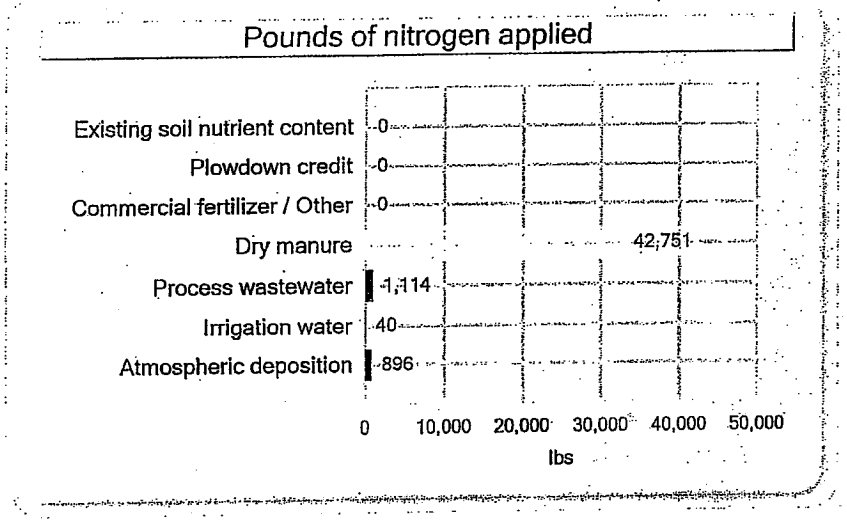
A. SUMMARY OF NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE

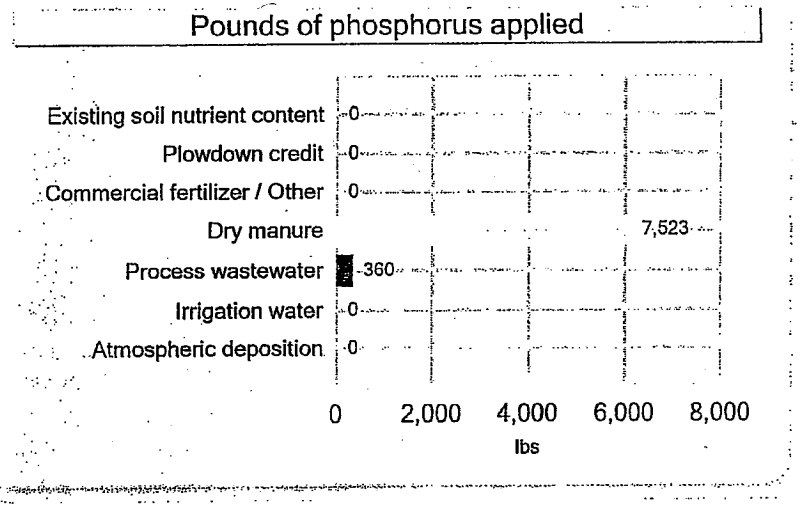
	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	42,750.84	7,522.68	40,182.12	183.48
Process wastewater	1,113.81	360.00	2,307.35	12.61
Irrigation water	39.78	0.00	0.00	97.86
Atmospheric deposition	896.00	0.00	0.00	0.00
Total nutrients applied	44,800.43	7,882.68	42,489.47	293.95
Anticipated crop nutrient removal	28,032.00	4,838.40	22,233.60	0.00
Actual crop nutrient removal	468.27	468.27	468.27	468.27
Nutrient balance	44,332.16	7,414.41	42,021.20	-174.32
Applied to removed ratio	95.67	16.83	90.74	0.63

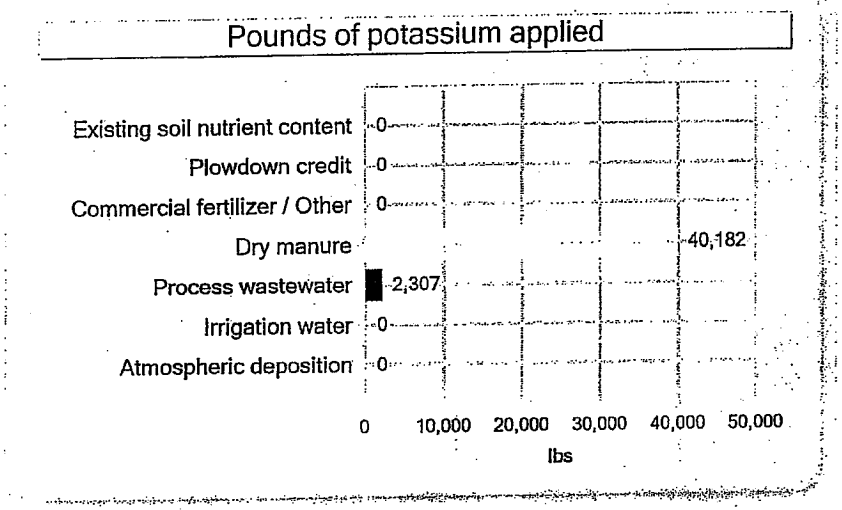
B. POUNDS OF NUTRIENT APPLIED VS. CROP REMOVAL

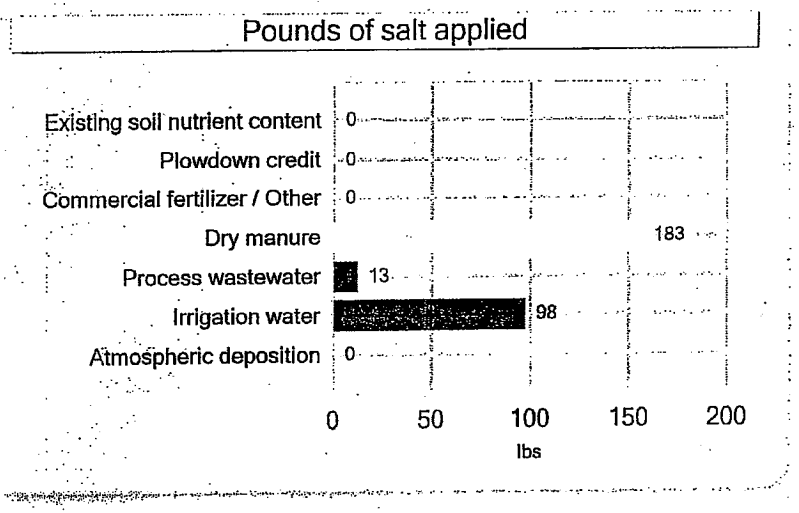


C. POUNDS OF NUTRIENT APPLIED BY MATERIAL TYPE









EXCEPTION REPORTING

A. MANURE AND PROCESS WASTEWATER 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 STATEMENT

A. NUTRIENT MANAGEMENT PLAN STATEMENT

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

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.

[redacted]
SIGNATURE OF OWNER OF FACILITY

[redacted]
PRINT OR TYPE NAME

[redacted]
DATE

[redacted]
SIGNATURE OF OPERATOR OF FACILITY

[redacted]
PRINT OR TYPE NAME

[redacted]
DATE