CCSA

Monitoring Report Submittal Transmittal Form

Attn: Guy Childs (916) 464-4648
Central Valley Regional Water Quality Control Board
11020 Sun Center Drive #200
Rancho Cordova, CA 95670-6114

Discharger:	The Morning Star Packing Company, LP
Name of Facility:	Williams Facility
WDRs Order Number:	95-160
WDID:	5A062005001
County:	Colusa

I am hereby submitting to the Central Valley Water Board the following information:

Check all that apply:

Monthly Monitoring Report for the month of AUGUST

1st / 2nd / 3rd / 4th (**circle one**) Quarterly Monitoring Report for the year of _____

1st / 2nd (**circle one**) Semi-annual Monitoring Report for the year _____

Annual Monitoring Report for the year _____

Violation Notification

During the monitoring period, there were / were not (circle one) any violations of the WDRs.

1. The violations were: NONE

2. Have the violations been corrected? Yes / No. If no, what will be done to correct the violations: N/A

Certification Statement

"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: _____ Phone: (916) 719-5650

Printed Name: ROSS OLIVEIRA Date: 9/27/12

2012 OCT -2 PM 12:27

Staff: GJC

Logged in as received: 10/03/2012 SHM

Date reviewed: _____

Violations?: _____

THE MORNING STAR PACKING COMPANY
2211 Old HWY 99, Williams, CA 95987

11 September 2012

Mr. Guy Childs
Central Valley Regional Water Quality Control Board
11020 Sun Center Drive #200
Rancho Cordova, CA 95670-6114

Re: Monthly Report for The Morning Star Packing Company – Williams, according to Waste Discharge Requirements Order No. 95-160.

Dear Mr. Childs:

Please find herewith the August monthly monitoring data relative to Order No. 95-160 with all applicable information.

A summary table has been included that provides information on the daily application of washwater and cooling pond water to each field. The drying times and irrigation set times for each field and check can be determined using this table.

"I certify under penalty of law that this document and all attachments have been prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. The information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

Respectfully yours,

Ross Oliveira

Daily weather report for COLUSA.A (CIMIS #32, Colusa)

More about COLUSA.A: Station description; More data: Daily ~ Averages;

Time Period: August 1, 2012 to August 31, 2012, retrieved on September 9, 2012

Note: Only 86% of requested data were available from station COLUSA.A. See retrieval table.

DATE	OBS TIME	PRECIP AMOUNT & TYPE	AIR TEMPERATURE			WIND		ETo	SOL RAD	SOIL T		WX	RELATIVE HUMIDITY		BULB TEMP		PAN EVAP
			MAX	MIN	OBS	DD	SS			MAX	MIN		MAX	MIN	WET	DRY	
MM DD YYYY	HH:MM	(IN)	(F)					(IN)	(LY)	(F)					(F)		(IN)
08-01-2012	23:59	0.00	96	60		SE	4		649	80	75		83.5	19.9			
08-02-2012	23:59	0.00	97	60		SE	3		636	80	75		85.0	25.8			
08-03-2012	23:59	0.00	95	60		SE	4		617	80	75		79.3	31.1			
08-04-2012	23:59	0.00	85	59		SE	6		532	79	75		84.1	49.4			
08-05-2012	23:59	0.00	89	60		SE	6		617	79	74		91.7	37.9			
08-06-2012	23:59	0.00	91	57		SE	5		627	78	74		84.6	30.3			
08-07-2012	23:59	0.00	96	57		E	3		627	78	74		91.0	24.6			
08-08-2012	23:59	0.00	98	55		W	3		629	78	74		90.9	22.2			
08-09-2012	23:59	0.00	99	60		SE	3		615	78	73		92.4	25.0			
08-10-2012	23:59	0.00	100	60		E	3		617	73	66		93.4	23.2			
08-11-2012	23:59	0.00	104	61		SE	3		613	74	69		96.3	21.9			
08-12-2012	23:59	0.00	98	61		SE	4		588	76	71		92.8	29.5			
08-13-2012	23:59	0.00	104	63		SE	3		565	77	72		86.1	15.5			
08-14-2012	23:59	0.00	97	67		SE	5		468	77	73		81.1	36.5			
08-15-2012	23:59	0.00	94	70		SE	4		510	77	73		68.2	34.7			
08-16-2012	23:59	0.00	97	64		SE	5		581	77	73		66.3	31.9			
08-17-2012	23:59	0.00	93	61		SE	4		571	77	73		75.3	33.6			
08-18-2012	23:59	0.00	94	65		SE	5		571	77	73		76.2	30.8			
08-19-2012	23:59	0.00	92	61		SE	4		578	76	73		77.3	33.4			
08-20-2012	23:59	0.00	92	58		SE	5		515	76	72		91.9	36.3			
08-21-2012	23:59	0.00	91	55		SE	5		573	76	72		93.5	39.9			
08-22-2012	23:59	0.00	93	56		SE	5		564	76	72		95.5	24.4			
08-23-2012	23:59	0.00	89	57		SE	4		551	76	72		91.0	39.3			
08-24-2012	23:59	0.00	93	53		SE	4		570	75	72		98.3	21.0			
08-25-2012	23:59	0.00	88	52		SE	6		556	75	71		91.1	39.0			
08-26-2012	23:59	0.00	82	55		SE	8		558	80	70		89.2	37.6			
08-27-2012	23:59	0.00	88	52		SE	3		563	79	74		94.5	33.7			
08-28-2012	23:59	0.00	90	52		SE	3		558	76	72		97.9	28.9			
08-29-2012	23:59	0.00	94	52		W	3		561	75	71		93.9	27.4			
08-30-2012	23:59	0.00	92	52		SE	4		536	74	71		89.9	23.8			
08-31-2012	23:59	0.00	79	55		SE	7		541	74	70		91.7	50.6			

31 records listed

The Morning Star Packing Company
General Pond Monitoring
Aug-12

Cooling Pond TDS and EC Results from 7/30/2012

EC	690 umhos/cm
TDS	475 mg/l
TDS/EC Ratio	0.69

Cooling Pond Monitoring

Date	pH	Freeboard (ft)	DO mg/l	EC umhos/cm	TDS[1] mg/l	Levee Condition	Water Color	Odors
8/6/2012	7.62	2.75	1.0	676	465	Good	Blue/Green	None
8/13/2012	7.99	2.83	1.3	694	478	Good	Grey/Green	None
8/20/2012	7.99	2.83	1.2	672	463	Good	Blue/Green	None
8/27/2012	7.41	2.75	1.1	692	476	Good	Blue/Green	None
Average	**7.75**	**2.79**	**1.2**	**683**	**470**			

[1] *TDS calculated using TDS/EC ratio.*

Settling Pond Monitoring by Morning Star

Date	pH	Freeboard (ft)	DO mg/l	EC umhos/cm	Levee Condition	Water Color	Odors
8/6/2012	5.10	3.42	4.3	921	Good	Brown/Red	Minimal Tomato
8/13/2012	4.91	3.42	3.1	1,253	Good	Brown/Red	Minimal Tomato
8/20/2012	5.32	3.50	2.5	1,128	Good	Brown/Red	Minimal Tomato
8/27/2012	5.45	3.21	3.2	806	Good	Brown/Red	Minimal Tomato
Average	**5.20**	**3.39**	**3.3**	**1,027**			

Settling Pond Monitoring by Lab

Date	pH	EC umhos/cm	TDS mg/l	FDS mg/l	Settleable Solid ml/l	BOD (5-day) mg/l	Nitrate as Nitrogen mg/l	Nitrate mg/l	Total Kjeldahl Nitrogen mg/l
8/6/2012	5.54	940	1,100	610	2.0	774	0.0	0.0	68.9
8/13/2012	4.81	1,176	1,210	775	15.0	1,376	0.0	0.0	88.9
8/20/2012	4.60	1,132	724	640	3.0	921	0.0	0.0	127.8
8/27/2012	6.17	1,018	770	710	3.0	571	0.0	0.0	124.5
Average	**5.28**	**1,067**	**951**	**684**	**5.8**	**911**	**0.0**	**0.0**	**102.5**

MORNING STAR

"Excellence Through Commitment"

Field Log: CP/SP # 32 Technician: Sergio

Date: 8/6/12 Weather: Sunny 72°

COOLING POND

pH: 7.62 EC: 675.6 µmhos/cm Temp: 31.3 °C ____ °F

Freeboard: 33 inches Time: 0810 (0700-0900 hours)

HQ10 Hach Portable LDO Dissolved Oxygen Meter (Probe) RESULT: 1.0

Levee Condition: Good

Water Color: Blue / Green

Odors: yes / (no) Strength: _____ Characteristics: _____

Other Observations: Moss screen running

Equipment Calibration: yes / no Please see attached calibration notes.

SETTLING POND

pH: 5.10 EC: 920.9 µmhos/cm Temp: 30.5 °C ____ °F

Freeboard: 41 inches Time: 07:50 (0700-0900 hours)

HQ10 Hach Portable LDO Dissolved Oxygen Meter (Probe) RESULT: 4.3 @ 88.3°F

Levee Condition: Good

Water Color: Brown / Red

Odors: (yes) / no Strength: minimal Characteristics: tomatoe

Other Observations: Airator Running

Equipment Calibration: (yes) / no Please see attached calibration notes.

MORNING STAR

"Excellence Through Commitment"

Field Log: CP/SP # 33 Technician: Sergio

Date: 8/13/12 Weather: Sunny 79°

COOLING POND

pH: 7.99 EC: 694.2 µmhos/cm Temp: 35.3 °C ____ °F

Freeboard: 34 inches Time: 0835 (0700-0900 hours)

HQ10 Hach Portable LDO Dissolved Oxygen Meter (Probe) RESULT: 1.3 @ 103.7 °F

Levee Condition: Good

Water Color: Gray - Green

Odors: yes / (no) Strength: _____ Characteristics: _____

Other Observations: Moss screen running

Equipment Calibration: (yes) / no Please see attached calibration notes.

SETTLING POND

pH: 4.91 EC: 1253 µmhos/cm Temp: 30.0 °C ____ °F

Freeboard: 41 inches Time: @0845 (0700-0900 hours)

HQ10 Hach Portable LDO Dissolved Oxygen Meter (Probe) RESULT: 3.1 @ 87.4 °F

Levee Condition: GOOD

Water Color: Brown / RED

Odors: (yes) / no Strength: Mineral Characteristics: tomatoe

Other Observations: ~~Odor~~ Aerator running

Equipment Calibration: (yes) / no Please see attached calibration notes.

MORNING STAR

"Excellence Through Commitment"

Field Log: CP/SP # 34 Technician: Sergio

Date: 8/20/12 Weather: Sunny 67°

COOLING POND

pH: 7.99 EC: 672.2 µmhos/cm Temp: 35.3 °C ____ °F

Freeboard: 34 inches Time: 0800 (0700-0900 hours)

HQ10 Hach Portable LDO Dissolved Oxygen Meter (Probe) RESULT: 1.2

Levee Condition: Good

Water Color: Blue/Green

Odors: yes / (no) Strength: N/A Characteristics: N/A

Other Observations: Moss screen running

Equipment Calibration: (yes) / no Please see attached calibration notes.

SETTLING POND

pH: 5.32 EC: 1128 µmhos/cm Temp: 29.1 °C ____ °F

Freeboard: 42 inches Time: 0747 (0700-0900 hours)

HQ10 Hach Portable LDO Dissolved Oxygen Meter (Probe) RESULT: 2.5

Levee Condition: Good

Water Color: Brown/Red

Odors: (yes) / no Strength: minimal Characteristics: tomatoe

Other Observations: Aerator running

Equipment Calibration: (yes) / no Please see attached calibration notes.

MORNING STAR

"Excellence Through Commitment"

Field Log: CP/SP # 35 Technician: Sergio

Date: 8/27/12 Weather: Cool 54°

COOLING POND

pH: 7.41 EC: 491.6 µmhos/cm Temp: 29.4 °C ___ °F

Freeboard: 33 inches Time: 08:10 (0700-0900 hours)

HQ10 Hach Portable LDO Dissolved Oxygen Meter (Probe) RESULT: 1.1

Levee Condition: Good

Water Color: Blue / Green

Odors: yes / (no) Strength: N/A Characteristics: N/A

Other Observations: Moss screen running

Equipment Calibration: (yes) / no Please see attached calibration notes.

SETTLING POND

pH: 5.45 EC: 8000 µmhos/cm Temp: 34.7 °C ___ °F

Freeboard: 38½ inches Time: 0750 (0700-0900 hours)

HQ10 Hach Portable LDO Dissolved Oxygen Meter (Probe) RESULT: 3.2

Levee Condition: Good

Water Color: Brown / R

Odors: (yes) / no Strength: minimal Characteristics: tomato

Other Observations: Aerator running

Equipment Calibration: (yes) / no Please see attached calibration notes.

Nachtmann Analytical Laboratory, Inc.

1100 W. Chiles Rd • Davis, CA 95616 • (530) 758-5850 • Fax (530) 758-5870
Mailing Address: P.O. Box 1025 • Davis, CA 95617
E mail: Nachtmannlab@yahoo.com

Analytical Laboratory Report

State DHS Cert. # 1419

Client:

The Morning Star Packing Company.
2211 Old HWY 99
Williams, CA. 95987
Attn: Mike Olivera
12045 South Ingomar Grade Road
Los Banos, California 93635
Date Reporting: 08/12/2012

Sample ID #: Settling Pond and Cooling Pond
Sample Matrix : Effluent
Sampling Date : 08/06/2012
Date Received : 08/06/2012
Sampled By : client
Sample Lab. # :08062012

Analyte	Method #	RL(mg/l)	Sample Results(mg/l)
Settling Pond			
PH	SM 4500-H B	1-14	5.54
EC	SM 2510-B	1.0 umhos/cm	940. umhos/cm
Total Dissolved Solid (TDS)*	SM 2540-D	5.0	1,100.
Fixed Dissolved Solid (FDS)	SM 2540-E	5.0	610.
Settleable Solid (SS)	SM 2540-F	1.0ml/l/hr	2.00
(BOD) 5-day	SM 5210-B	0.2	774.0
Nitrate as Nitrogen(N-NO3)	SM 4500-NO3E	0.10	ND
Nitrate (NO3)	SM 4500-NO3E	0.4	ND
Total Kjeldahl Nitrogen (TKN)	SM 4500-N C	1.0	68.9.
Cooling Pond			
PH	SM 4500-H B	1-14	7.21
EC	SM 2510-B	1.0 umhos/cm	698.
Total Dissolved Solid	SM 2540-D	5.0	370.

* This sample contains large amounts of organic material

Reference : Std. Methods for Examination for Water & Wastewater, 20th Ed. 1998
RL : Reporting Limits
ND : Not Detected at RL
Lab. director : Ahmed Modabber

Nachtmann Analytical Laboratory, Inc.
1100 W Chiles Rd • Davis, CA 95616 • (530) 758-5850 • Fax (530) 758-5870
Mailing Address: P.O. Box 1025 • Davis, CA 95617

CHAIN OF CUSTODY REPORT

CLIENT: Morning star parking Co.
ADDRESS: 224 old Hwy 99
Williams CA 95987
PHONE: 530 473-3600
PROJECT NAME/SITE: 501-3601 Cell
Morning star
SAMPLER: Sergio Cervantes
DATE: 8/6/12

REPORT TO:
BILLING TO:
PO#/BILLING REFERENCE:

TURNAROUND TIME:

8 HR.					
24 HR.		48 HR.		72 HR.	
5 DAY		10 DAY		15 DAY	

ANALYSIS REQUESTED

SAMPLE ID#/ STATION	SAMPLE DESCRIPTION	NUMBER OF CONT.	TYPE CONT.	SAMPLING TIME/DATE	REMARKS	SAMPLE NUMBER
SP	settling pond	2	BTL	07:50/8/6/12	EC/TDS	
CP	Cooling pond	2	BTL	08:10/8/6/12		

RELINQUISHED BY: Sergio Cervantes
DATE: 8/6/12 TIME: 10:30 pm
RECEIVED BY: 8/6/12

RELINQUISHED BY:
DATE: TIME:
RECEIVED BY:

RELINQUISHED BY:
DATE: TIME:
RECEIVED IN LAB BY:

TRAVEL TIME:
ON SITE TIME:
OTHER:

WERE SAMPLES:	YES	NO
PRESERVED?		
IN GOOD CONDITION?		

Nachtmann Analytical Laboratory, Inc.

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E mail: Nachtmannlab@yahoo.com

Analytical Laboratory Report

State DHS Cert. # 1419

Client:

The Morning Star Packing Company.
2211 Old HWY 99
Williams, CA. 95987
Attn: Mike Olivera
12045 South Ingomar Grade Road
Los Banos, California 93635
Date Reporting: 08/19/2012

Sample ID # : Settling Pond
Sample Matrix : Effluent
Sampling Date : 08/13/2012
Date Received : 08/13/2012
Sampled By : client
Sample Lab. # :08132012

Analyte	Method #	RL(mg/l)	Sample Results(mg/l)
Settling Pond			
PH	SM 4500-H B	1-14	4.81
EC	SM 2510-B	1.0 umhos/cm	1,176. umhos/cm
Total Dissolved Solid (TDS)*	SM 2540-D	5.0	1,210.
Fixed Dissolved Solid (FDS)	SM 2540-E	5.0	775.
Settleable Solid (SS)	SM 2540-F	1.0ml/l/hr	15.0
(BOD) 5-day	SM 5210-B	0.2	1376.
Nitrate as Nitrogen(N-NO3)	SM 4500-NO3E	0.10	ND
Nitrate (NO3)	SM 4500-NO3E	0.4	ND
Total Kjeldahl Nitrogen (TKN)	SM 4500-N C	1.0	88.9

Cooling Pond

none

* This sample contains large amounts of organic material

Reference : Std. Methods for Examination for Water & Wastewater, 20th Ed. 1998
RL : Reporting Limits
ND : Not Detected at RL
Lab. director : Ahmed Modabber

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Mailing Address: P.O. Box 1025 • Davis, CA 95617

CHAIN OF CUSTODY REPORT

CLIENT: Morning Star Packing Co.
ADDRESS: 2211 Old Hwy 99 Williams CA 95987
PHONE: 530 473 3600
PROJECT NAME/SITE: MORNING STAR
SAMPLER: Sergio Cervantes 1559-544-9545 phone #
DATE: 8/13/12

REPORT TO:
BILLING TO:
TURNAROUND TIME: 8 HR. ☐ | 24 HR. ☐ | 48 HR. ☐ | 72 HR. ☐ | 5 DAY ☐ | 10 DAY ☐ | 15 DAY ☐
PO#/BILLING REFERENCE:

SAMPLE ID#/ STATION	SAMPLE DESCRIPTION	NUMBER OF CONT.	TYPE CONT.	SAMPLING TIME/DATE	MRL ↓ ANALYSIS REQUESTED	REMARKS	SAMPLE NUMBER
SP	Settling Pond	2	BTL	0845 / 8-13-12			

RELINQUISHED BY: Sergio Cervantes — DATE: 8/13/12 TIME: 0845 — RECEIVED BY: [signature] 8/13/12
RELINQUISHED BY: — DATE: TIME: — RECEIVED BY:
RELINQUISHED BY: — DATE: TIME: — RECEIVED IN LAB BY:

TRAVEL TIME:
ON SITE TIME:
OTHER:

	YES	NO
WERE SAMPLES:		
PRESERVED?		
IN GOOD CONDITION?		

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E mail: Nachtmannlab@yahoo.com

Analytical Laboratory Report

State DHS Cert. # 1419

Clinet :
Morning Star Packing Co.
2211 Old HWY 99
Williams, CA. 95987
Attn: Mike Oliveira
Liberty Packing Co.
12045 South Ingmar Grade Rd.
Los Banos, CA. 93685

Sample ID #	: Settling Pond
Sample Matrix	: Effluent
Sampling Date	: 8/20/2012
Date Received	: 8/20/2012
Sampled By	: client
Sample Lab. #	: 08202012
Reporting	: 8/25/2012

Analyte	Method #	RL(mg/l)	Sample Results(mg/l)
Settling Pond			
PH	SM 4500-H B	1-14	4.60
EC	SM 2510-B	1.0 umhos/cm	1132.umhos/cm
Total Dissolved Solid (TDS)	SM 2540-D	5.0	724.
Fixed Dissolved Solid (FDS)	SM 2540-E	5.0	640.
Settleable Solid (SS)	SM 2540-F	1.0ml/l/hr	3.0
(BOD) 5-day	SM 5210-B	0.2	921
Nitrate as Nitrogen(N-NO3)	SM 4500-NO3E	0.10	ND
Nitrate (NO3)	SM 4500-NO3E	0.4	ND
Total Kjeldahl Nitrogen (TKN)	SM 4500-N C	1.0	127.8

Reference	:	Std. Methods for Examination for Water & Wastewater, 20th Ed. 1998
RL	:	Reporting Limits
ND	:	Not Detected at RL
Lab. director	:	Ahmed Modabber

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CHAIN OF CUSTODY REPORT

CLIENT: Morning Star Packing
ADDRESS: 2211 old Hwy 99
Williams CA 95987
PHONE: 530 473 3600
PROJECT NAME/SITE: Morning star
SAMPLER: Sergio
DATE: 8/20/12

REPORT TO:
BILLING TO:
TURNAROUND TIME: 8 HR. | 24 HR. | 48 HR. | 72 HR. | 5 DAY | 10 DAY | 15 DAY
PO#/BILLING REFERENCE:

SAMPLE ID#/ STATION	SAMPLE DESCRIPTION	NUMBER OF CONT.	TYPE CONT.	SAMPLING TIME/DATE	ANALYSIS REQUESTED: MPR	REMARKS	SAMPLE NUMBER
SP 1	Settling pond #1	1	BTL	0750 / 8/20/12			
SP 2	Settling pond #2	1	BTL	0750 / 8/20/12			

RELINQUISHED BY: Sergio Cervantes — DATE: 8/20/12 — TIME:
RECEIVED BY: [signature] 8/20/12
RELINQUISHED BY: — DATE: — TIME:
RECEIVED BY:
RELINQUISHED BY: — DATE: — TIME:
RECEIVED IN LAB BY:

TRAVEL TIME:
ON SITE TIME:
OTHER:

	YES	NO
WERE SAMPLES: PRESERVED?		
IN GOOD CONDITION?		

Nachtmann Analytical Laboratory, Inc.

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Mailing Address: P.O. Box 1025 • Davis, CA 95617
E mail: Nachtmannlab@yahoo.com

Analytical Laboratory Report

State DHS Cert. # 1419

Clinet :
Morning Star Packing Co.
2211 Old HWY 99
Williams, CA. 95987
Attn: Mike Oliveira
Liberty Packing Co.
12045 South Ingmar Grade Rd.
Los Banos, CA. 93685

Sample ID #	: Settling Pond
Sample Matrix	: Effluent
Sampling Date	: 8/27/2012
Date Received	: 8/27/2012
Sampled By	: client
Sample Lab. #	: 08272012
Date Reporting	: 9/1/2012

Analyte	Method #	RL(mg/l)	Sample Results(mg/l)
Settling Pond			
PH	SM 4500-H B	1-14	6.17
EC	SM 2510-B	1.0 umhos/cm	1018.
Total Dissolved Solid (TDS)	SM 2540-D	5.0	770.
Fixed Dissolved Solid (FDS)	SM 2540-E	5.0	710.
Settleable Solid (SS)	SM 2540-F	1.0ml/l/hr	3.0
(BOD) 5-day	SM 5210-B	0.2	571.
Nitrate as Nitrogen(N-NO3)	SM 4500-NO3E	0.10	ND
Nitrate (NO3)	SM 4500-NO3E	0.4	ND
Total Kjeldahl Nitrogen (TKN)	SM 4500-N C	1.0	124.5

Reference : Std. Methods for Examination for Water & Wastewater, 20th Ed. 1998
RL : Reporting Limits
ND : Not Detected at RL
Lab. director : Ahmed Modabber

Nachtmann Analytical Laboratory, Inc.

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Mailing Address: P.O. Box 1025 • Davis, CA 95617

CHAIN OF CUSTODY REPORT

CLIENT: Morning star packing Co.

ADDRESS: 2211 Old Hwy 99.
Williams CA 95987

PHONE: 530 473 3600

PROJECT NAME/SITE: Morning star

SAMPLER: ~~#530 5013601~~ Sergio Cervantes

DATE: 8/27/12

REPORT TO:

BILLING TO:

TURNAROUND TIME: 8 HR. | 24 HR. | 48 HR. | 72 HR. | 5 DAY | 10 DAY | 15 DAY

PO#/BILLING REFERENCE:

ANALYSIS REQUESTED: MRP

SAMPLE ID#/ STATION	SAMPLE DESCRIPTION	NUMBER OF CONT.	TYPE CONT.	SAMPLING TIME/DATE	REMARKS	SAMPLE NUMBER
SP1	Settling pond 1	1	BTL	0750 / 8/27/12		
SP2	Settling Pond 2	1	BTL	0750 / 8-27-12		

RELINQUISHED BY: Sergio Cervantes — DATE: 8-27-12 — TIME:

RECEIVED BY: Q.M. 8/27/12

RELINQUISHED BY: — DATE: — TIME: — RECEIVED BY:

RELINQUISHED BY: — DATE: — TIME: — RECEIVED IN LAB BY:

TRAVEL TIME:

ON SITE TIME:

OTHER:

WERE SAMPLES:	YES	NO
PRESERVED?		
IN GOOD CONDITION?		

The Morning Star Packing Company
Washwater and Fresh Water Flows to Fields
August-12

DATE	TIMES	Flow through Irrigation Ditch		Discharge from Cooling Pond		Discharge from Settling Pond/Gutters [1]		Discharge from GCID Canal
		WATER FLOW		WATER FLOW		WATER FLOW		WATER FLOW
		GPM	GPD	GPM	GPD	GPM	GPD	GPD
8/1/2012	15min. Intervals	1,420	2,045,501			1,358	1,955,989	
8/2/2012	15min. Intervals	1,270	1,828,893			1,210	1,741,791	
8/3/2012	15min. Intervals	1,563	2,250,889			1,502	2,162,965	
8/4/2012	15min. Intervals	1,872	2,695,190			1,755	2,527,312	
8/5/2012	15min. Intervals	1,383	1,991,615			1,719	2,474,652	
8/6/2012	15min. Intervals	1,246	1,793,895			1,641	2,363,418	
8/7/2012	15min. Intervals	1,164	1,676,643	416	599,038	1,562	2,248,645	
8/8/2012	15min. Intervals	1,311	1,887,588			1,578	2,272,397	
8/9/2012	15min. Intervals	1,325	1,908,397			1,867	2,689,069	
8/10/2012	15min. Intervals	1,194	1,718,959			1,552	2,235,474	
8/11/2012	15min. Intervals	1,242	1,789,137			1,534	2,208,923	
8/12/2012	15min. Intervals	1,415	2,037,234			1,480	2,131,773	
8/13/2012	15min. Intervals	1,351	1,945,984			1,504	2,165,200	
8/14/2012	15min. Intervals	1,571	2,262,300			1,665	2,397,549	
8/15/2012	15min. Intervals	1,600	2,304,157			1,651	2,377,422	
8/16/2012	15min. Intervals	1,452	2,091,438			1,665	2,397,282	
8/17/2012	15min. Intervals	782	1,126,672			1,652	2,378,739	
8/18/2012	15min. Intervals	605	871,088			1,503	2,163,849	
8/19/2012	15min. Intervals	563	810,835			1,455	2,095,424	
8/20/2012	15min. Intervals	485	698,348			1,324	1,906,779	
8/21/2012	15min. Intervals	645	928,353			1,430	2,059,821	
8/22/2012	15min. Intervals	662	953,798			1,370	1,973,115	
8/23/2012	15min. Intervals	650	936,143			1,312	1,888,699	
8/24/2012	15min. Intervals	758	1,091,085			1,463	2,107,098	
8/25/2012	15min. Intervals	508	730,854			1,126	1,620,865	
8/26/2012	15min. Intervals	507	730,507			1,096	1,578,484	
8/27/2012	15min. Intervals	671	966,381			1,398	2,013,203	
8/28/2012	15min. Intervals	663	954,211			1,342	1,932,681	
8/29/2012	15min. Intervals	653	939,704			1,349	1,942,046	
8/30/2012	15min. Intervals	715	1,029,475			1,449	2,085,864	
8/31/2012	15min. Intervals	805	1,159,808			1,559	2,245,053	
Average		1,034	1,488,874			1,486	2,140,051	
Minimum		485	698,348			1,096	1,578,484	
Maximum		1,872	2,695,190			1,867	2,689,069	

* Discharge from settling pond/gutters flows used to calcualte Settling Pond Effluent loading rates. Discharge from cooling pond used to calculate cooling pond water nutrient loadings.

The Morning Star Packing Company
Water & Constituent Loading Calculations
Field: M. S. 1

LAND APPLICATION AREA: M.S. 1 — 95.0 acres

Day	Settling Pond Effluent Applied (gal)	Settling Pond Effluent Applied (in)	BOD Ave. Applied (mg/l)	TDS Ave. Applied (mg/l)	Nitrogen Ave. Applied (mg/l)	Cooling Pond Effluent Applied (gal)	Cooling Pond Effluent Applied (in)	TDS Ave. Applied (mg/l)	Fresh Irrigation (gal)	Fresh Irrigation (in)	Rainfall (in)
1	859,477	0.33	178	1,040	83	0	0.00	466	0	0.00	0.00
2	765,357	0.30	178	1,040	83.0	0	0.00	466	0	0.00	0.00
3	950,424	0.37	178	1,040	83.0	0	0.00	466	0	0.00	0.00
4	1,110,521	0.43	178	1,040	83.0	0	0.00	466	0	0.00	0.00
5	612,059	0.24	178	1,040	83.0	0	0.00	466	0	0.00	0.00
6	743,459	0.29	476	1,070	76.0	0	0.00	462	0	0.00	0.00
7	707,355	0.27	476	1,070	76.0	188,439	0.07	462	0	0.00	0.00
8	714,827	0.28	476	1,070	76.0	0	0.00	462	0	0.00	0.00
9	845,899	0.33	476	1,070	76.0	0	0.00	462	0	0.00	0.00
10	735,353	0.29	476	1,070	76.0	0	0.00	462	0	0.00	0.00
11	726,619	0.28	476	1,070	76.0	0	0.00	462	0	0.00	0.00
12	701,241	0.27	476	1,070	76.0	0	0.00	462	0	0.00	0.00
13	689,092	0.27	776	1,117	80.3	0	0.00	467	0	0.00	0.00
14	763,039	0.30	776	1,117	80.3	0	0.00	467	0	0.00	0.00
15	756,633	0.29	776	1,117	80.3	0	0.00	467	0	0.00	0.00
16	762,954	0.30	776	1,117	80.3	0	0.00	467	0	0.00	0.00
17	859,567	0.33	776	1,117	80.3	0	0.00	467	0	0.00	0.00
18	781,916	0.30	776	1,117	80.3	0	0.00	467	0	0.00	0.00
19	757,190	0.29	776	1,117	80.3	0	0.00	467	0	0.00	0.00
20	689,023	0.27	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00
21	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00
22	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00
23	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00
24	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00
25	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00
26	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00
27	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
28	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
29	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
30	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
31	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
	15,532,007	6.03				188,439	0.07		0	0.00	0.00
	47.7	ac-ft				0.6	ac-ft		0.0	ac-ft	0.0
Percent of Total =	100%					0%			0%		

Hydraulic Loading (in)	BOD Loading Total Weight (lbs/day)	BOD Loading Loading Applied (lbs/ac/day)	Nitrogen Loading Total (lbs/day)	Nitrogen Loading Applied (lbs/ac/month)	TDS Loading Total (lbs/day)	TDS Loading Applied (lbs/ac/month)
0.33	1,277	13	595	6	7,459	79
0.30	1,137	12	530	6	6,642	70
0.37	1,412	15	658	7	8,248	87
0.43	1,649	17	769	8	9,637	101
0.24	909	10	424	4	5,312	56
0.29	2,953	31	471	5	6,638	70
0.34	2,810	30	449	5	7,042	74
0.28	2,839	30	453	5	6,382	67
0.33	3,360	35	536	6	7,553	80
0.29	2,921	31	466	5	6,566	69
0.28	2,886	30	461	5	6,488	68
0.27	2,785	29	445	5	6,261	66
0.27	4,462	47	462	5	6,423	68
0.30	4,941	52	511	5	7,112	75
0.29	4,899	52	507	5	7,052	74
0.30	4,940	52	511	5	7,111	75
0.33	5,566	59	576	6	8,012	84
0.30	5,063	53	524	6	7,288	77
0.29	4,903	52	507	5	7,058	74
0.27	5,887	62	547	6	5,813	61
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
6.10	67,599	23 Ave.	10,402	109 Total	140,097	1475 Total

Cumulative Loading Calculations

	Nitrogen	TDS
Commercial Applications		
July-12	13 lbs/acre	163 lbs/acre
August-12	109 lbs/acre	1,475 lbs/acre
September-12		
Total	**122 lbs/acre**	**1,638 lbs/acre**

The Morning Star Packing Company
Water & Constituent Loading Calculations
Field: M. S. 2 & 3

LAND APPLICATION AREA:

M.S. 2 & 3 **82.1** acres

Day	Settling Pond Effluent Applied (gal)	Settling Pond Effluent Applied (in)	BOD Ave. Applied (mg/l)	TDS Ave. Applied (mg/l)	Nitrogen Ave. Applied (mg/l)	Cooling Pond Effluent Applied (gal)	Cooling Pond Effluent Applied (in)	TDS Ave. Applied (mg/l)	Fresh Irrigation (gal)	Fresh Irrigation (in)	Rainfall (in)	Hydraulic Loading (in)	BOD Loading Total Weight (lbs/day)	BOD Loading Loading Applied (lbs/ac/day)	Nitrogen Loading Total (lbs/day)	Nitrogen Loading Applied (lbs/ac/month)	TDS Loading Total (lbs/day)	TDS Loading Applied (lbs/ac/month)
1	742,769	0.33	178	1,040	83.0	0	0.00	466	0	0.00	0.00	0.33	1,103	**13**	514	**6**	6,446	**79**
2	661,429	0.30	178	1,040	83.0	0	0.00	466	0	0.00	0.00	0.30	982	**12**	458	**6**	5,740	**70**
3	821,367	0.37	178	1,040	83.0	0	0.00	466	0	0.00	0.00	0.37	1,220	**15**	569	**7**	7,128	**87**
4	959,724	0.43	178	1,040	83.0	0	0.00	466	0	0.00	0.00	0.43	1,425	**17**	665	**8**	8,329	**101**
5	528,948	0.24	178	1,040	83.0	0	0.00	466	0	0.00	0.00	0.24	786	**10**	366	**4**	4,590	**56**
6	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
7	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
8	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
9	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
10	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
11	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
12	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
13	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
14	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
15	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
16	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
17	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
18	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
19	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
20	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
21	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
22	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
23	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
24	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
25	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
26	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
27	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
28	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
29	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
30	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
31	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
	3,714,237	**1.67**				**0**	**0.00**		**0**	**0.00**	**0.00**	**1.67**	5,516	2 Ave.	2,572	31 Total	32,233	393 Total
	11.4 ac-ft					0.0 ac-ft			0.0 ac-ft		0.0							
Percent of Total =	100%					0%			0%									

Cumulative Loading Calculations

	Nitrogen	TDS
Commercial Applications		
July-12	49 lbs/acre	611 lbs/acre
August-12	31 lbs/acre	393 lbs/acre
September-12		
Total	**80 lbs/acre**	**1,004 lbs/acre**

The Morning Star Packing Company
Water & Constituent Loading Calculations
Field: M. S. 5

LAND APPLICATION AREA:

	M.S. 5	24.6	acres																
Day	Settling Pond Effluent Applied (gal)	Settling Pond Effluent Applied (in)	BOD Ave. Applied (mg/l)	TDS Ave. Applied (mg/l)	Nitrogen Ave. Applied (mg/l)	Cooling Pond Effluent Applied (gal)	Cooling Pond Effluent Applied (in)	TDS Ave. Applied (mg/l)	Fresh Irrigation (gal)	Fresh Irrigation (in)	Rainfall (in)	Hydraulic Loading (in)	BOD Loading Total Weight (lbs/day)	BOD Loading Loading Applied (lbs/ac/day)	Nitrogen Loading Total (lbs/day)	Nitrogen Loading Applied (lbs/ac/month)	TDS Loading Total (lbs/day)	TDS Loading Applied (lbs/ac/month)
1	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
2	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
3	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
4	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
5	158,491	0.24	178	1,040	83.0	0	0.00	466	0	0.00	0.00	0.24	235	**10**	110	**4**	1,375	**56**
6	192,517	0.29	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.29	765	**31**	122	**5**	1,719	**70**
7	183,168	0.27	476	1,070	76.0	48,796	0.07	462	0	0.00	0.00	0.34	728	**30**	116	**5**	1,824	**74**
8	185,103	0.28	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.28	735	**30**	117	**5**	1,653	**67**
9	219,043	0.33	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.33	870	**35**	139	**6**	1,956	**80**
10	190,418	0.29	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.29	756	**31**	121	**5**	1,700	**69**
11	188,156	0.28	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.28	747	**30**	119	**5**	1,680	**68**
12	181,585	0.27	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.27	721	**29**	115	**5**	1,621	**66**
13	178,439	0.27	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.27	1,155	**47**	120	**5**	1,663	**68**
14	197,587	0.30	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.30	1,279	**52**	132	**5**	1,842	**75**
15	195,928	0.29	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.29	1,269	**52**	131	**5**	1,826	**74**
16	197,565	0.30	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.30	1,279	**52**	132	**5**	1,841	**75**
17	222,583	0.33	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.33	1,441	**59**	149	**6**	2,075	**84**
18	202,475	0.30	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.30	1,311	**53**	136	**6**	1,887	**77**
19	196,072	0.29	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.29	1,270	**52**	131	**5**	1,828	**74**
20	178,421	0.27	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.27	1,525	**62**	142	**6**	1,505	**61**
21	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
22	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
23	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
24	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
25	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
26	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
27	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
28	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
29	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
30	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
31	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
	3,067,550	**4.60**				**48,796**	**0.07**		**0**	**0.00**	**0.00**	**4.67**	**16,086**	**22 Ave.**	**2,032**	**83 Total**	**27,995**	**1138 Total**
	9.4 ac-ft					**0.1** ac-ft			**0.0** ac-ft		**0.0**							
Percent of Total =	**100%**					**0%**			**0%**									

Cumulative Loading Calculations

	Nitrogen	TDS
Commercial Applications		
July-12	26 lbs/acre	325 lbs/acre
August-12	83 lbs/acre	1,138 lbs/acre
September-12		
Total	**109 lbs/acre**	**1,463 lbs/acre**

The Morning Star Packing Company
Water & Constituent Loading Calculations
Field: M. S. 6

LAND APPLICATION AREA:

	M.S. 6	21.4	acres																
Day	Settling Pond Effluent Applied (gal)	Settling Pond Effluent Applied (in)	BOD Ave. Applied (mg/l)	TDS Ave. Applied (mg/l)	Nitrogen Ave. Applied (mg/l)	Cooling Pond Effluent Applied (gal)	Cooling Pond Effluent Applied (in)	TDS Ave. Applied (mg/l)	Fresh Irrigation (gal)	Fresh Irrigation (in)	Rainfall (in)	Hydraulic Loading (in)	BOD Loading Total Weight (lbs/day)	BOD Loading Loading Applied (lbs/ac/day)	Nitrogen Loading Total (lbs/day)	Nitrogen Loading Applied (lbs/ac/month)	TDS Loading Total (lbs/day)	TDS Loading Applied (lbs/ac/month)
1	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
2	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
3	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
4	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
5	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
6	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
7	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
8	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
9	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
10	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
11	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
12	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
13	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
14	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
15	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
16	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
17	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
18	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
19	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
20	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
21	329,941	0.57	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.57	2,819	**132**	262	**12**	2,783	**130**
22	316,053	0.54	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.54	2,701	**126**	251	**12**	2,666	**125**
23	302,531	0.52	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.52	2,585	**121**	240	**11**	2,552	**119**
24	174,770	0.30	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.30	1,493	**70**	139	**6**	1,474	**69**
25	117,068	0.20	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.20	1,000	**47**	93	**4**	988	**46**
26	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
27	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
28	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
29	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
30	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
31	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
	1,240,363	**2.13**				**0**	**0.00**		**0**	**0.00**	**0.00**	**2.13**	**10,598**	**17 Ave.**	**985**	**46 Total**	**10,463**	**489 Total**
	3.8	ac-ft				**0.0**	ac-ft		**0.0**	ac-ft	**0.0**							
Percent of Total =	**100%**					**0%**			**0%**									

Cumulative Loading Calculations	**Nitrogen**	**TDS**
Commercial Applications		
July-12	0 lbs/acre	0 lbs/acre
August-12	46 lbs/acre	489 lbs/acre
September-12		
Total	**46 lbs/acre**	**489 lbs/acre**

The Morning Star Packing Company
Water & Constituent Loading Calculations
Field: M. S. 11

LAND APPLICATION AREA:

M.S. 11 — 35.6 acres

Day	Settling Pond Effluent Applied (gal)	Settling Pond Effluent Applied (in)	BOD Ave. Applied (mg/l)	TDS Ave. Applied (mg/l)	Nitrogen Ave. Applied (mg/l)	Cooling Pond Effluent Applied (gal)	Cooling Pond Effluent Applied (in)	TDS Ave. Applied (mg/l)	Fresh Irrigation (gal)	Fresh Irrigation (in)	Rainfall (in)	Hydraulic Loading (in)	BOD Loading Total Weight (lbs/day)	BOD Loading Loading Applied (lbs/ac/day)	Nitrogen Loading Total (lbs/day)	Nitrogen Loading Applied (lbs/ac/month)	TDS Loading Total (lbs/day)	TDS Loading Applied (lbs/ac/month)
1	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00	0.00	0	0	0	0	0	0
2	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00	0.00	0	0	0	0	0	0
3	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00	0.00	0	0	0	0	0	0
4	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00	0.00	0	0	0	0	0	0
5	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00	0.00	0	0	0	0	0	0
6	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.00	0	0	0	0	0	0
7	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.00	0	0	0	0	0	0
8	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.00	0	0	0	0	0	0
9	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.00	0	0	0	0	0	0
10	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.00	0	0	0	0	0	0
11	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.00	0	0	0	0	0	0
12	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.00	0	0	0	0	0	0
13	258,228	0.27	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.27	1,672	47	173	5	2,407	68
14	285,939	0.30	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.30	1,852	52	192	5	2,665	75
15	283,538	0.29	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.29	1,836	52	190	5	2,643	74
16	285,907	0.30	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.30	1,851	52	192	5	2,665	75
17	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.00	0	0	0	0	0	0
18	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.00	0	0	0	0	0	0
19	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.00	0	0	0	0	0	0
20	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	0	0	0	0	0
21	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	0	0	0	0	0
22	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	0	0	0	0	0
23	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	0	0	0	0	0
24	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	0	0	0	0	0
25	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	0	0	0	0	0
26	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	0	0	0	0	0
27	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00	0.00	0	0	0	0	0	0
28	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00	0.00	0	0	0	0	0	0
29	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00	0.00	0	0	0	0	0	0
30	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00	0.00	0	0	0	0	0	0
31	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00	0.00	0	0	0	0	0	0
	1,113,612	1.16				0	0.00		0	0.00	0.00	1.16	7,211	7 Ave.	747	21 Total	10,380	292 Total
	3.4	ac-ft				0.0	ac-ft		0.0	ac-ft	0.0							
Percent of Total =	100%					0%			0%									

Cumulative Loading Calculations

	Nitrogen	TDS
Commercial Applications		
July-12	0 lbs/acre	0 lbs/acre
August-12	21 lbs/acre	292 lbs/acre
September-12		
Total	**21 lbs/acre**	**292 lbs/acre**

The Morning Star Packing Company
Water & Constituent Loading Calculations
Field: M. S. 14

LAND APPLICATION AREA: M.S. 14 — 44.5 acres

Day	Settling Pond Effluent Applied (gal)	Settling Pond Effluent Applied (in)	BOD Ave. Applied (mg/l)	TDS Ave. Applied (mg/l)	Nitrogen Ave. Applied (mg/l)	Cooling Pond Effluent Applied (gal)	Cooling Pond Effluent Applied (in)	TDS Ave. Applied (mg/l)	Fresh Irrigation (gal)	Fresh Irrigation (in)	Rainfall (in)
1	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00
2	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00
3	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00
4	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00
5	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00
6	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00
7	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00
8	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00
9	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00
10	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00
11	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00
12	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00
13	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00
14	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00
15	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00
16	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00
17	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00
18	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00
19	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00
20	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00
21	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00
22	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00
23	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00
24	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00
25	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00
26	207,451	0.17	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00
27	274,435	0.23	956	901	113.7	0	0.00	472	0	0.00	0.00
28	270,979	0.22	956	901	113.7	0	0.00	472	0	0.00	0.00
29	266,859	0.22	956	901	113.7	0	0.00	472	0	0.00	0.00
30	292,352	0.24	956	901	113.7	0	0.00	472	0	0.00	0.00
31	329,365	0.27	956	901	113.7	0	0.00	472	0	0.00	0.00
	1,312,076	1.08				0	0.00		0	0.00	0.00
	4.0	ac-ft				0.0	ac-ft		0.0	ac-ft	0.0
Percent of Total =	100%					0%			0%		

Hydraulic Loading (in)	BOD Loading Total Weight (lbs/day)	BOD Loading Applied (lbs/ac/day)	Nitrogen Loading Total (lbs/day)	Nitrogen Loading Applied (lbs/ac/month)	TDS Loading Total (lbs/day)	TDS Loading Applied (lbs/ac/month)
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.17	1,773	40	165	4	1,750	39
0.23	2,189	49	260	6	2,063	46
0.22	2,162	49	257	6	2,037	46
0.22	2,129	48	253	6	2,006	45
0.24	2,332	52	277	6	2,198	49
0.27	2,627	59	312	7	2,476	56
1.08	10,585	8 Ave.	1,212	27 Total	10,054	226 Total

Cumulative Loading Calculations

	Nitrogen	TDS
Commercial Applications		
July-12	0 lbs/acre	0 lbs/acre
August-12	27 lbs/acre	226 lbs/acre
September-12		
Total	**27 lbs/acre**	**226 lbs/acre**

The Morning Star Packing Company
Water & Constituent Loading Calculations
Field: M. S. 15

LAND APPLICATION AREA:

	M.S. 15	26.7	acres									
Day	Settling Pond Effluent Applied (gal)	Settling Pond Effluent Applied (in)	BOD Ave. Applied (mg/l)	TDS Ave. Applied (mg/l)	Nitrogen Ave. Applied (mg/l)	Cooling Pond Effluent Applied (gal)	Cooling Pond Effluent Applied (in)	TDS Ave. Applied (mg/l)	Fresh Irrigation (gal)	Fresh Irrigation (in)	Rainfall (in)
1	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00
2	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00
3	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00
4	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00
5	172,021	0.24	178	1,040	83.0	0	0.00	466	0	0.00	0.00
6	208,951	0.29	476	1,070	76.0	0	0.00	462	0	0.00	0.00
7	198,804	0.27	476	1,070	76.0	52,961	0.07	462	0	0.00	0.00
8	200,904	0.28	476	1,070	76.0	0	0.00	462	0	0.00	0.00
9	237,742	0.33	476	1,070	76.0	0	0.00	462	0	0.00	0.00
10	206,673	0.29	476	1,070	76.0	0	0.00	462	0	0.00	0.00
11	204,218	0.28	476	1,070	76.0	0	0.00	462	0	0.00	0.00
12	197,086	0.27	476	1,070	76.0	0	0.00	462	0	0.00	0.00
13	193,671	0.27	776	1,117	80.3	0	0.00	467	0	0.00	0.00
14	214,454	0.30	776	1,117	80.3	0	0.00	467	0	0.00	0.00
15	212,654	0.29	776	1,117	80.3	0	0.00	467	0	0.00	0.00
16	214,430	0.30	776	1,117	80.3	0	0.00	467	0	0.00	0.00
17	241,584	0.33	776	1,117	80.3	0	0.00	467	0	0.00	0.00
18	219,759	0.30	776	1,117	80.3	0	0.00	467	0	0.00	0.00
19	212,810	0.29	776	1,117	80.3	0	0.00	467	0	0.00	0.00
20	193,652	0.27	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00
21	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00
22	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00
23	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00
24	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00
25	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00
26	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00
27	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
28	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
29	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
30	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
31	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
	3,329,414	4.60				52,961	0.07		0	0.00	0.00
	10.2	ac-ft				0.2	ac-ft		0.0	ac-ft	0.0
Percent of Total =	100%					0%			0%		

	Hydraulic Loading (in)	BOD Loading Total Weight (lbs/day)	BOD Loading Applied (lbs/ac/day)	Nitrogen Loading Total (lbs/day)	Nitrogen Loading Applied (lbs/ac/month)	TDS Loading Total (lbs/day)	TDS Loading Applied (lbs/ac/month)
1	0.00	0	0	0	0	0	0
2	0.00	0	0	0	0	0	0
3	0.00	0	0	0	0	0	0
4	0.00	0	0	0	0	0	0
5	0.24	256	10	119	4	1,493	56
6	0.29	830	31	133	5	1,866	70
7	0.34	790	30	126	5	1,979	74
8	0.28	798	30	127	5	1,794	67
9	0.33	944	35	151	6	2,123	80
10	0.29	821	31	131	5	1,845	69
11	0.28	811	30	130	5	1,823	68
12	0.27	783	29	125	5	1,760	66
13	0.27	1,254	47	130	5	1,805	68
14	0.30	1,389	52	144	5	1,999	75
15	0.29	1,377	52	142	5	1,982	74
16	0.30	1,388	52	144	5	1,999	75
17	0.33	1,564	59	162	6	2,252	84
18	0.30	1,423	53	147	6	2,048	77
19	0.29	1,378	52	143	5	1,984	74
20	0.27	1,655	62	154	6	1,634	61
21	0.00	0	0	0	0	0	0
22	0.00	0	0	0	0	0	0
23	0.00	0	0	0	0	0	0
24	0.00	0	0	0	0	0	0
25	0.00	0	0	0	0	0	0
26	0.00	0	0	0	0	0	0
27	0.00	0	0	0	0	0	0
28	0.00	0	0	0	0	0	0
29	0.00	0	0	0	0	0	0
30	0.00	0	0	0	0	0	0
31	0.00	0	0	0	0	0	0
	4.67	17,461	21 Ave.	2,208	83 Total	30,386	1138 Total

Cumulative Loading Calculations

	Nitrogen	TDS
Commercial Applications		
July-12	26 lbs/acre	325 lbs/acre
August-12	83 lbs/acre	1,138 lbs/acre
September-12		
Total	**109 lbs/acre**	**1,463 lbs/acre**

The Morning Star Packing Company
Water & Constituent Loading Calculations
Field: M. S. 16 & 17

LAND APPLICATION AREA:

M.S. 16 & 17 **36.7** acres

Day	Settling Pond Effluent Applied (gal)	Settling Pond Effluent Applied (in)	BOD Ave. Applied (mg/l)	TDS Ave. Applied (mg/l)	Nitrogen Ave. Applied (mg/l)	Cooling Pond Effluent Applied (gal)	Cooling Pond Effluent Applied (in)	TDS Ave. Applied (mg/l)	Fresh Irrigation (gal)	Fresh Irrigation (in)	Rainfall (in)
1	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00
2	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00
3	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00
4	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00
5	236,448	0.24	178	1,040	83.0	0	0.00	466	0	0.00	0.00
6	287,210	0.29	476	1,070	76.0	0	0.00	462	0	0.00	0.00
7	273,263	0.27	476	1,070	76.0	72,797	0.07	462	0	0.00	0.00
8	276,149	0.28	476	1,070	76.0	0	0.00	462	0	0.00	0.00
9	326,784	0.33	476	1,070	76.0	0	0.00	462	0	0.00	0.00
10	284,079	0.29	476	1,070	76.0	0	0.00	462	0	0.00	0.00
11	280,705	0.28	476	1,070	76.0	0	0.00	462	0	0.00	0.00
12	270,901	0.27	476	1,070	76.0	0	0.00	462	0	0.00	0.00
13	266,207	0.27	776	1,117	80.3	0	0.00	467	0	0.00	0.00
14	294,774	0.30	776	1,117	80.3	0	0.00	467	0	0.00	0.00
15	292,299	0.29	776	1,117	80.3	0	0.00	467	0	0.00	0.00
16	294,741	0.30	776	1,117	80.3	0	0.00	467	0	0.00	0.00
17	332,064	0.33	776	1,117	80.3	0	0.00	467	0	0.00	0.00
18	302,066	0.30	776	1,117	80.3	0	0.00	467	0	0.00	0.00
19	292,514	0.29	776	1,117	80.3	0	0.00	467	0	0.00	0.00
20	266,180	0.27	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00
21	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00
22	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00
23	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00
24	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00
25	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00
26	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00
27	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
28	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
29	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
30	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
31	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
	4,576,385	4.60				72,797	0.07		0	0.00	0.00
	14.0 ac-ft					0.2 ac-ft			0.0 ac-ft		0.0
Percent of Total =	100%					0%			0%		

Hydraulic Loading (in)	BOD Loading Total Weight (lbs/day)	BOD Loading Loading Applied (lbs/ac/day)	Nitrogen Loading Total (lbs/day)	Nitrogen Loading Applied (lbs/ac/month)	TDS Loading Total (lbs/day)	TDS Loading Applied (lbs/ac/month)
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.24	351	**10**	164	**4**	2,052	**56**
0.29	1,141	**31**	182	**5**	2,564	**70**
0.34	1,085	**30**	173	**5**	2,720	**74**
0.28	1,097	**30**	175	**5**	2,466	**67**
0.33	1,298	**35**	207	**6**	2,918	**80**
0.29	1,128	**31**	180	**5**	2,536	**69**
0.28	1,115	**30**	178	**5**	2,506	**68**
0.27	1,076	**29**	172	**5**	2,419	**66**
0.27	1,724	**47**	178	**5**	2,481	**68**
0.30	1,909	**52**	198	**5**	2,748	**75**
0.29	1,893	**52**	196	**5**	2,724	**74**
0.30	1,909	**52**	197	**5**	2,747	**75**
0.33	2,150	**59**	223	**6**	3,095	**84**
0.30	1,956	**53**	202	**6**	2,815	**77**
0.29	1,894	**52**	196	**5**	2,726	**74**
0.27	2,274	**62**	211	**6**	2,246	**61**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
4.67	24,000	**22 Ave.**	3,032	**83 Total**	41,763	**1138 Total**

Cumulative Loading Calculations

	Nitrogen	TDS
Commercial Applications		
July-12	0 lbs/acre	0 lbs/acre
August-12	83 lbs/acre	1,138 lbs/acre
September-12		
Total	**83 lbs/acre**	**1,138 lbs/acre**

The Morning Star Packing Company
Water & Constituent Loading Calculations
Field: M. S. 18 Check 1

LAND APPLICATION AREA: M.S. 18 Ch1 39.1 acres

Day	Settling Pond Effluent Applied (gal)	Settling Pond Effluent Applied (in)	BOD Ave. Applied (mg/l)	TDS Ave. Applied (mg/l)	Nitrogen Ave. Applied (mg/l)	Cooling Pond Effluent Applied (gal)	Cooling Pond Effluent Applied (in)	TDS Ave. Applied (mg/l)	Fresh Irrigation (gal)	Fresh Irrigation (in)	Rainfall (in)
1	353,743	0.33	178	1,040	83.0	0	0.00	466	0	0.00	0.00
2	315,005	0.30	178	1,040	83.0	0	0.00	466	0	0.00	0.00
3	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00
4	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00
5	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00
6	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00
7	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00
8	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00
9	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00
10	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00
11	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00
12	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00
13	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00
14	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00
15	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00
16	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00
17	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00
18	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00
19	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00
20	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00
21	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00
22	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00
23	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00
24	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00
25	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00
26	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00
27	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
28	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
29	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
30	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
31	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
	668,748	0.63				0	0.00		0	0.00	0.00
	2.1 ac-ft					0.0 ac-ft			0.0 ac-ft		0.0
Percent of Total =	100%					0%			0%		

Day	Hydraulic Loading (in)	BOD Loading Total Weight (lbs/day)	BOD Loading Loading Applied (lbs/ac/day)	Nitrogen Loading Total (lbs/day)	Nitrogen Loading Applied (lbs/ac/month)	TDS Loading Total (lbs/day)	TDS Loading Applied (lbs/ac/month)
1	0.33	525	13	245	6	3,070	79
2	0.30	468	12	218	6	2,734	70
3	0.00	0	0	0	0	0	0
4	0.00	0	0	0	0	0	0
5	0.00	0	0	0	0	0	0
6	0.00	0	0	0	0	0	0
7	0.00	0	0	0	0	0	0
8	0.00	0	0	0	0	0	0
9	0.00	0	0	0	0	0	0
10	0.00	0	0	0	0	0	0
11	0.00	0	0	0	0	0	0
12	0.00	0	0	0	0	0	0
13	0.00	0	0	0	0	0	0
14	0.00	0	0	0	0	0	0
15	0.00	0	0	0	0	0	0
16	0.00	0	0	0	0	0	0
17	0.00	0	0	0	0	0	0
18	0.00	0	0	0	0	0	0
19	0.00	0	0	0	0	0	0
20	0.00	0	0	0	0	0	0
21	0.00	0	0	0	0	0	0
22	0.00	0	0	0	0	0	0
23	0.00	0	0	0	0	0	0
24	0.00	0	0	0	0	0	0
25	0.00	0	0	0	0	0	0
26	0.00	0	0	0	0	0	0
27	0.00	0	0	0	0	0	0
28	0.00	0	0	0	0	0	0
29	0.00	0	0	0	0	0	0
30	0.00	0	0	0	0	0	0
31	0.00	0	0	0	0	0	0
	0.63	993	1 Ave.	463	12 Total	5,804	148 Total

Cumulative Loading Calculations

	Nitrogen	TDS
Commercial Applications		
July-12	49 lbs/acre	611 lbs/acre
August-12	12 lbs/acre	148 lbs/acre
September-12		
Total	**61 lbs/acre**	**759 lbs/acre**

The Morning Star Packing Company
Water & Constituent Loading Calculations
Field: M. S. 18 Check 2

LAND APPLICATION AREA: M.S. 18 Ch2 39.1 acres

Day	Settling Pond Effluent Applied (gal)	Settling Pond Effluent Applied (in)	BOD Ave. Applied (mg/l)	TDS Ave. Applied (mg/l)	Nitrogen Ave. Applied (mg/l)	Cooling Pond Effluent Applied (gal)	Cooling Pond Effluent Applied (in)	TDS Ave. Applied (mg/l)	Fresh Irrigation (gal)	Fresh Irrigation (in)	Rainfall (in)	Hydraulic Loading (in)	BOD Loading Total Weight (lbs/day)	BOD Loading Loading Applied (lbs/ac/day)	Nitrogen Loading Total (lbs/day)	Nitrogen Loading Applied (lbs/ac/month)	TDS Loading Total (lbs/day)	TDS Loading Applied (lbs/ac/month)
1	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
2	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
3	391,175	0.37	178	1,040	83.0	0	0.00	466	0	0.00	0.00	0.37	581	**15**	271	**7**	3,395	**87**
4	457,067	0.43	178	1,040	83.0	0	0.00	466	0	0.00	0.00	0.43	679	**17**	317	**8**	3,967	**101**
5	251,911	0.24	178	1,040	83.0	0	0.00	466	0	0.00	0.00	0.24	374	**10**	174	**4**	2,186	**56**
6	305,992	0.29	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.29	1,215	**31**	194	**5**	2,732	**70**
7	291,133	0.27	476	1,070	76.0	77,558	0.07	462	0	0.00	0.00	0.34	1,156	**30**	185	**5**	2,898	**74**
8	294,208	0.28	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.28	1,169	**30**	187	**5**	2,627	**67**
9	348,154	0.33	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.33	1,383	**35**	221	**6**	3,109	**80**
10	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
11	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
12	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
13	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
14	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
15	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
16	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
17	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
18	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
19	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
20	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
21	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
22	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
23	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
24	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
25	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
26	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
27	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
28	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
29	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
30	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
31	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
	2,339,639	**2.21**				**77,558**	**0.07**		**0**	**0.00**	**0.00**	**2.28**	**6,557**	**6 Ave.**	**1,549**	**40 Total**	**20,914**	**535 Total**
	7.2 ac-ft					**0.2** ac-ft			**0.0** ac-ft		**0.0**							
Percent of Total =	**100%**					**0%**			**0%**									

Cumulative Loading Calculations

	Nitrogen	TDS
Commercial Applications		
July-12	0 lbs/acre	0 lbs/acre
August-12	40 lbs/acre	535 lbs/acre
September-12		
Total	**40 lbs/acre**	**535 lbs/acre**

The Morning Star Packing Company
Water & Constituent Loading Calculations
Field: M. S. 20 Check 1

LAND APPLICATION AREA:

	M.S. 20 Ch1	32.3	acres								
Day	Settling Pond Effluent Applied (gal)	Settling Pond Effluent Applied (in)	BOD Ave. Applied (mg/l)	TDS Ave. Applied (mg/l)	Nitrogen Ave. Applied (mg/l)	Cooling Pond Effluent Applied (gal)	Cooling Pond Effluent Applied (in)	TDS Ave. Applied (mg/l)	Fresh Irrigation (gal)	Fresh Irrigation (in)	Rainfall (in)
1	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00
2	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00
3	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00
4	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00
5	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00
6	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00
7	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00
8	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00
9	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00
10	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00
11	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00
12	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00
13	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00
14	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00
15	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00
16	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00
17	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00
18	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00
19	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00
20	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00
21	497,996	0.57	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00
22	477,033	0.54	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00
23	456,624	0.52	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00
24	263,788	0.30	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00
25	176,696	0.20	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00
26	150,577	0.17	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00
27	199,197	0.23	956	901	113.7	0	0.00	472	0	0.00	0.00
28	196,688	0.22	956	901	113.7	0	0.00	472	0	0.00	0.00
29	193,698	0.22	956	901	113.7	0	0.00	472	0	0.00	0.00
30	212,202	0.24	956	901	113.7	0	0.00	472	0	0.00	0.00
31	239,067	0.27	956	901	113.7	0	0.00	472	0	0.00	0.00
	2,824,498	3.21				0	0.00		0	0.00	0.00
	8.7	ac-ft				0.0	ac-ft		0.0	ac-ft	0.0
Percent of Total =	100%					0%			0%		

Hydraulic Loading (in)	BOD Loading Total Weight (lbs/day)	BOD Loading Loading Applied (lbs/ac/day)	Nitrogen Loading Total (lbs/day)	Nitrogen Loading Applied (lbs/ac/month)	TDS Loading Total (lbs/day)	TDS Loading Applied (lbs/ac/month)
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.57	4,255	132	396	12	4,201	130
0.54	4,076	126	379	12	4,024	125
0.52	3,902	121	363	11	3,852	119
0.30	2,254	70	210	7	2,225	69
0.20	1,510	47	140	4	1,491	46
0.17	1,287	40	120	4	1,270	39
0.23	1,589	49	189	6	1,498	46
0.22	1,569	49	187	6	1,479	46
0.22	1,545	48	184	6	1,456	45
0.24	1,693	52	201	6	1,595	49
0.27	1,907	59	227	7	1,797	56
3.21	23,680	24 Ave.	2,369	73 Total	23,091	715 Total

Cumulative Loading Calculations	Nitrogen	TDS
Commercial Applications		
July-12	0 lbs/acre	0 lbs/acre
August-12	73 lbs/acre	715 lbs/acre
September-12		
Total	**73 lbs/acre**	**715 lbs/acre**

The Morning Star Packing Company
Water & Constituent Loading Calculations
Field: M. S. 20 Check 2

LAND APPLICATION AREA:

M.S. 20 Ch2 — 32.3 acres

Day	Settling Pond Effluent Applied (gal)	Settling Pond Effluent Applied (in)	BOD Ave. Applied (mg/l)	TDS Ave. Applied (mg/l)	Nitrogen Ave. Applied (mg/l)	Cooling Pond Effluent Applied (gal)	Cooling Pond Effluent Applied (in)	TDS Ave. Applied (mg/l)	Fresh Irrigation (gal)	Fresh Irrigation (in)	Rainfall (in)	Hydraulic Loading (in)	BOD Loading Total Weight (lbs/day)	BOD Loading Applied (lbs/ac/day)	Nitrogen Loading Total (lbs/day)	Nitrogen Loading Applied (lbs/ac/month)	TDS Loading Total (lbs/day)	TDS Loading Applied (lbs/ac/month)
1	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00	0.00	0	0	0	0	0	0
2	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00	0.00	0	0	0	0	0	0
3	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00	0.00	0	0	0	0	0	0
4	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00	0.00	0	0	0	0	0	0
5	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00	0.00	0	0	0	0	0	0
6	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.00	0	0	0	0	0	0
7	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.00	0	0	0	0	0	0
8	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.00	0	0	0	0	0	0
9	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.00	0	0	0	0	0	0
10	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.00	0	0	0	0	0	0
11	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.00	0	0	0	0	0	0
12	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.00	0	0	0	0	0	0
13	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.00	0	0	0	0	0	0
14	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.00	0	0	0	0	0	0
15	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.00	0	0	0	0	0	0
16	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.00	0	0	0	0	0	0
17	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.00	0	0	0	0	0	0
18	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.00	0	0	0	0	0	0
19	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.00	0	0	0	0	0	0
20	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	0	0	0	0	0
21	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	0	0	0	0	0
22	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	0	0	0	0	0
23	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	0	0	0	0	0
24	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	0	0	0	0	0
25	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	0	0	0	0	0
26	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	0	0	0	0	0
27	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00	0.00	0	0	0	0	0	0
28	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00	0.00	0	0	0	0	0	0
29	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00	0.00	0	0	0	0	0	0
30	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00	0.00	0	0	0	0	0	0
31	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00	0.00	0	0	0	0	0	0
	0	**0.00**				**0**	**0.00**		**0**	**0.00**	**0.00**	**0.00**	**0**	**0 Ave.**	**0**	**0 Total**	**0**	**0 Total**
	0.0 ac-ft					**0.0** ac-ft			**0.0** ac-ft		**0.0**							
Percent of Total =	**#DIV/0!**					**#DIV/0!**			**#DIV/0!**									

Cumulative Loading Calculations

	Nitrogen	TDS
Commercial Applications		
July-12	0 lbs/acre	0 lbs/acre
August-12	0 lbs/acre	0 lbs/acre
September-12		
Total	**0 lbs/acre**	**0 lbs/acre**

The Morning Star Packing Company
Water & Constituent Loading Calculations
Field: M. S. 21

LAND APPLICATION AREA:

Day	M.S. 21 Settling Pond Effluent Applied (gal)	25.9 acres Settling Pond Effluent Applied (in)	BOD Ave. Applied (mg/l)	TDS Ave. Applied (mg/l)	Nitrogen Ave. Applied (mg/l)	Cooling Pond Effluent Applied (gal)	Cooling Pond Effluent Applied (in)	TDS Ave. Applied (mg/l)	Fresh Irrigation (gal)	Fresh Irrigation (in)	Rainfall (in)	Hydraulic Loading (in)	BOD Loading Total Weight (lbs/day)	BOD Loading Loading Applied (lbs/ac/day)	Nitrogen Loading Total (lbs/day)	Nitrogen Loading Applied (lbs/ac/month)	TDS Loading Total (lbs/day)	TDS Loading Applied (lbs/ac/month)
1	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00	0.00	0	0	0	0	0	0
2	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00	0.00	0	0	0	0	0	0
3	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00	0.00	0	0	0	0	0	0
4	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00	0.00	0	0	0	0	0	0
5	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00	0.00	0	0	0	0	0	0
6	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.00	0	0	0	0	0	0
7	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.00	0	0	0	0	0	0
8	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.00	0	0	0	0	0	0
9	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.00	0	0	0	0	0	0
10	200,481	0.29	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.29	796	31	127	5	1,790	69
11	198,099	0.28	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.28	787	30	126	5	1,769	68
12	191,181	0.27	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.27	759	29	121	5	1,707	66
13	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.00	0	0	0	0	0	0
14	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.00	0	0	0	0	0	0
15	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.00	0	0	0	0	0	0
16	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.00	0	0	0	0	0	0
17	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.00	0	0	0	0	0	0
18	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.00	0	0	0	0	0	0
19	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.00	0	0	0	0	0	0
20	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	0	0	0	0	0
21	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	0	0	0	0	0
22	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	0	0	0	0	0
23	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	0	0	0	0	0
24	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	0	0	0	0	0
25	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	0	0	0	0	0
26	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	0	0	0	0	0
27	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00	0.00	0	0	0	0	0	0
28	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00	0.00	0	0	0	0	0	0
29	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00	0.00	0	0	0	0	0	0
30	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00	0.00	0	0	0	0	0	0
31	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00	0.00	0	0	0	0	0	0
	589,760	0.84				0	0.00		0	0.00	0.00	0.84	2,342	3 Ave.	374	14 Total	5,266	203 Total
	1.8 ac-ft					0.0 ac-ft			0.0 ac-ft		0.0							
Percent of Total =	100%					0%			0%									

Cumulative Loading Calculations

	Nitrogen	TDS
Commercial Applications		
July-12	0 lbs/acre	0 lbs/acre
August-12	14 lbs/acre	203 lbs/acre
September-12		
Total	**14 lbs/acre**	**203 lbs/acre**

The Morning Star Packing Company
Water & Constituent Loading Calculations
Field: M. S. 24 Check 1

LAND APPLICATION AREA:

M.S. 24 Ch1 — 79.9 acres

Day	Settling Pond Effluent Applied (gal)	Settling Pond Effluent Applied (in)	BOD Ave. Applied (mg/l)	TDS Ave. Applied (mg/l)	Nitrogen Ave. Applied (mg/l)	Cooling Pond Effluent Applied (gal)	Cooling Pond Effluent Applied (in)	TDS Ave. Applied (mg/l)	Fresh Irrigation (gal)	Fresh Irrigation (in)	Rainfall (in)	Hydraulic Loading (in)	BOD Loading Total Weight (lbs/day)	BOD Loading Loading Applied (lbs/ac/day)	Nitrogen Loading Total (lbs/day)	Nitrogen Loading Applied (lbs/ac/month)	TDS Loading Total (lbs/day)	TDS Loading Applied (lbs/ac/month)
1	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
2	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
3	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
4	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
5	514,774	0.24	178	1,040	83.0	0	0.00	466	0	0.00	0.00	0.24	765	**10**	357	**4**	4,467	**56**
6	625,288	0.29	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.29	2,484	**31**	397	**5**	5,583	**70**
7	594,923	0.27	476	1,070	76.0	158,487	0.07	462	0	0.00	0.00	0.34	2,363	**30**	377	**5**	5,923	**74**
8	601,207	0.28	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.28	2,388	**30**	381	**5**	5,368	**67**
9	711,446	0.33	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.33	2,826	**35**	451	**6**	6,352	**79**
10	618,471	0.29	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.29	2,457	**31**	392	**5**	5,522	**69**
11	611,125	0.28	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.28	2,427	**30**	388	**5**	5,456	**68**
12	589,781	0.27	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.27	2,343	**29**	374	**5**	5,266	**66**
13	579,563	0.27	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.27	3,753	**47**	388	**5**	5,402	**68**
14	641,756	0.30	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.30	4,156	**52**	430	**5**	5,982	**75**
15	636,369	0.29	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.29	4,121	**52**	426	**5**	5,931	**74**
16	641,684	0.30	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.30	4,155	**52**	430	**5**	5,981	**75**
17	722,941	0.33	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.33	4,681	**59**	484	**6**	6,738	**84**
18	657,632	0.30	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.30	4,258	**53**	441	**6**	6,130	**77**
19	636,837	0.29	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.29	4,124	**52**	427	**5**	5,936	**74**
20	579,504	0.27	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.27	4,952	**62**	460	**6**	4,889	**61**
21	1,231,884	0.57	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.57	10,526	**132**	979	**12**	10,392	**130**
22	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
23	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
24	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
25	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
26	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
27	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
28	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
29	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
30	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
31	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
	11,195,185	**5.17**				**158,487**	**0.07**		**0**	**0.00**	**0.00**	**5.24**	**62,779**	**26 Ave.**	**7,582**	**95 Total**	**101,318**	**1268 Total**
	34.4 ac-ft					**0.5** ac-ft			**0.0** ac-ft		**0.0**							
Percent of Total =	**100%**					**0%**			**0%**									

Cumulative Loading Calculations

	Nitrogen	TDS
Commercial Applications		
July-12	0 lbs/acre	0 lbs/acre
August-12	95 lbs/acre	1,268 lbs/acre
September-12		
Total	**95 lbs/acre**	**1,268 lbs/acre**

The Morning Star Packing Company
Water & Constituent Loading Calculations
Field: M. S. 24 Check 2

LAND APPLICATION AREA: M.S. 24 Ch2 — 79.9 acres

Day	Settling Pond Effluent Applied (gal)	Settling Pond Effluent Applied (in)	BOD Ave. Applied (mg/l)	TDS Ave. Applied (mg/l)	Nitrogen Ave. Applied (mg/l)	Cooling Pond Effluent Applied (gal)	Cooling Pond Effluent Applied (in)	TDS Ave. Applied (mg/l)	Fresh Irrigation (gal)	Fresh Irrigation (in)	Rainfall (in)	Hydraulic Loading (in)	BOD Loading Total Weight (lbs/day)	BOD Loading Loading Applied (lbs/ac/day)	Nitrogen Loading Total (lbs/day)	Nitrogen Loading Applied (lbs/ac/month)	TDS Loading Total (lbs/day)	TDS Loading Applied (lbs/ac/month)
1	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
2	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
3	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
4	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
5	0	0.00	178	1,040	83.0	0	0.00	466	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
6	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
7	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
8	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
9	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
10	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
11	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
12	0	0.00	476	1,070	76.0	0	0.00	462	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
13	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
14	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
15	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
16	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
17	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
18	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
19	0	0.00	776	1,117	80.3	0	0.00	467	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
20	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
21	0	0.00	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
22	1,180,029	0.54	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.54	10,083	**126**	937	**12**	9,955	**125**
23	1,129,544	0.52	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.52	9,652	**121**	897	**11**	9,529	**119**
24	1,016,012	0.47	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.47	8,681	**109**	807	**10**	8,571	**107**
25	890,011	0.41	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.41	7,605	**95**	707	**9**	7,508	**94**
26	847,977	0.39	1,024	1,011	95.2	0	0.00	469	0	0.00	0.00	0.39	7,246	**91**	674	**8**	7,154	**90**
27	1,046,821	0.48	956	901	113.7	0	0.00	472	0	0.00	0.00	0.48	8,351	**105**	993	**12**	7,870	**98**
28	978,470	0.45	956	901	113.7	0	0.00	472	0	0.00	0.00	0.45	7,806	**98**	928	**12**	7,356	**92**
29	1,002,342	0.46	956	901	113.7	0	0.00	472	0	0.00	0.00	0.46	7,996	**100**	951	**12**	7,536	**94**
30	1,056,389	0.49	956	901	113.7	0	0.00	472	0	0.00	0.00	0.49	8,427	**105**	1,002	**13**	7,942	**99**
31	1,085,246	0.50	956	901	113.7	0	0.00	472	0	0.00	0.00	0.50	8,657	**108**	1,030	**13**	8,159	**102**
	9,147,597	**4.21**				**0**	**0.00**		**0**	**0.00**	**0.00**	**4.21**	**75,847**	**32 Ave.**	**7,896**	**99 Total**	**73,421**	**919 Total**
	28.1 ac-ft					**0.0** ac-ft			**0.0** ac-ft		**0.0**							
Percent of Total =	**100%**					**0%**			**0%**									

Cumulative Loading Calculations

	Nitrogen	TDS
Commercial Applications		
July-12	0 lbs/acre	0 lbs/acre
August-12	99 lbs/acre	919 lbs/acre
September-12		
Total	**99 lbs/acre**	**919 lbs/acre**

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS1 Technician: Sergio

Date: 8-1-12 Weather: _____

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition NA Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____

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9. Are there any accumulation of organic solids at soil surface: yes / (no) _____

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: _____
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # Ms1 Technician: Sergio

Date: 8/2/12 Weather: Sunny 68°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 68° No wind
14. Other observations: Grass looking Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 1 Technician: Sergio

Date: 6/3/12 Weather: Sunny 67

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 67° Wind 7mph NNE
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS1 Technician: Sergio

Date: 6/4/12 Weather: Sunny 67°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 67° Wind 2mph NNE
14. Other observations: Grass Looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: #MS 1 Technician: Sergio

Date: 8/15/12 Weather: Sunny 70

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____

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9. Are there any accumulation of organic solids at soil surface: yes / (no) _____

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 70° Nowind
14. Other observations: Grass Growing Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # Ms1 Technician: Sergio

Date: 8/6/12 Weather: Sunny 72°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N1A Lift Pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 72° No wind
14. Other observations: Grass Growing Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS1 Technician: Sergio

Date: 8/7/12 Weather: Sunny 72°

1. Any evidence of erosion: yes / (no)
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no)
12. Are there any insects: yes / (no)
13. Temperature and wind direction/strength: Sunny 72° No wind
14. Other observations: Grass Growing Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # Ms 1 Technician: Sergio

Date: 6/8/12 Weather: Warm 73°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Warm 73° No Wind
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS1 Technician: Sergio

Date: 8/9/17 Weather: Warm 75

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Warm 75° No wind
14. Other observations: Grass looks good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: #MS 1 Technician: Sergio

Date: 8/10/12 Weather: Warm 76°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Warm 76° No Wind
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: #MS 1 Technician: Sergio

Date: 8/11/12 Weather: Warm 78

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Warm 78° No Wind
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: #MS1 Technician: Sergio

Date: 8/12/12 Weather: Warm 80°

1. Any evidence of erosion: yes / (no)
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no)
12. Are there any insects: yes / (no)
13. Temperature and wind direction/strength: Warm 80° Wind 2mph NNE
14. Other observations: Grass Looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS1 Technician: Sergio

Date: 8/13/17 Weather: Warm 80°

1. Any evidence of erosion: yes / (no)
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)

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9. Are there any accumulation of organic solids at soil surface: yes / (no)

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10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no)
12. Are there any insects: yes / (no)
13. Temperature and wind direction/strength: Warm 80° Wind 2mph NNE
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS1 Technician: Sergio

Date: 8/14/12 Weather: warm 79°

1. Any evidence of erosion: yes / (no)
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no)
12. Are there any insects: yes / (no)
13. Temperature and wind direction/strength: warm 79° No wind
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # M51 Technician: Sergio

Date: 8/15/12 Weather: Warm 80

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____

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9. Are there any accumulation of organic solids at soil surface: yes / (no) _____

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Warm 80° no wind
14. Other observations: Grass Looks Good, really tall

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: #MS1 Technician: Sergio

Date: 8/16/17 Weather: Sunny 68°

1. Any evidence of erosion: yes / (no)
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)

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9. Are there any accumulation of organic solids at soil surface: yes / (no)

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10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no)
12. Are there any insects: yes / (no)
13. Temperature and wind direction/strength: Sunny 68° No wind
14. Other observations: Grass Looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS1 Technician: Sergio

Date: 8/17/12 Weather: Sunny 71°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____

9. Are there any accumulation of organic solids at soil surface: yes / (no) _____

10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 71° No Wind
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS1 Technician: Sergio

Date: 6/18/12 Weather: Sunny 72°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition ~~N/A~~ Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____

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9. Are there any accumulation of organic solids at soil surface: yes / (no) _____

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 72° wind 3mph NNW
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS1 Technician: Sergio

Date: 8/19/12 Weather: Sunny 68

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____

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9. Are there any accumulation of organic solids at soil surface: yes / (no) _____

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 68 no wind
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # Ms 1 Technician: Sergio

Date: 8/20/12 Weather: Sunny 69

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 69 no Wind
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **POST**-Application Inspection Observations:

Field No: # MS1 . Technician: Sergio

Date: 8/21/12 Weather: Sunny 67°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 67° No Wind
14. Other observations: Grass Looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # Ms 2-3 Technician: Sergio

Date: 8/1/12 Weather: Sunny 70°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 70° - Wind 5mph NNE
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 2-3 Technician: Sergio

Date: 8/2/12 Weather: Sunny 68

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 68° No Wind
14. Other observations: Grass Looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: #NS 2-3 Technician: Sergio

Date: 8/3/12 Weather: Sunny 70°

1. Any evidence of erosion: yes / (no)
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no)
12. Are there any insects: yes / (no)
13. Temperature and wind direction/strength: Sunny 70° - 2mph NNE
14. Other observations: Grass Looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: #MS2-3 Technician: Sergio

Date: 8/4/12 Weather: Sunny 67

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____

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9. Are there any accumulation of organic solids at soil surface: yes / (no) _____

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 67° Wind 2mph NNE
14. Other observations: Grass Looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # Ms 2/3 Technician: Sergio

Date: 8/15/12 Weather: Sunny 78°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: yes / (no) _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____

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9. Are there any accumulation of organic solids at soil surface: yes / (no) _____

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 70° No wind
14. Other observations: Grass Looking Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **POST**-Application Inspection Observations:

Field No: #MS 2/3 . Technician: Sergio

Date: 8/6/12 Weather: Sunny 72°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / NO _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____

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9. Are there any accumulation of organic solids at soil surface: yes / (no) _____

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 72° No Wind
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: #MS 5 Technician: Sergio

Date: 8/4/12 Weather: Sunny 67°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 67° - W 2mph NNE
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # Ms 5 Technician: Sergio

Date: 8/5/12 Weather: Sunny 70°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 70° No wind
14. Other observations: Pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 5 Technician: Sergio

Date: 8/6/12 Weather: Sunny 72°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps running
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 72° No wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: #MS 5 Technician: Sergio

Date: 5/7/12 Weather: Sunny 71°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____

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9. Are there any accumulation of organic solids at soil surface: yes / (no) _____

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 71° No Wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # M55 Technician: Sergio

Date: 8/8/12 Weather: Warm 73°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Warm 73° No Wind
14. Other observations: Pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 5 Technician: Sergio

Date: 8/9/12 Weather: Warm 75°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Warm 75° Downwind
14. Other observations: Pasture Looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # Ms 5 Technician: Sergio

Date: 8/10/12 Weather: Warm 76°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____

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9. Are there any accumulation of organic solids at soil surface: yes / (no) _____

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Warm 76° No wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # M55 Technician: Sergio

Date: 8/11/12 Weather: Warm 78°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N1A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Warm 78° No Wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS5 Technician: Sergio

Date: 8/12/12 Weather: Warm 80°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Warm 80° Wind 2mph NNE
14. Other observations: Pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 5 Technician: Sergio

Date: 8/13/12 Weather: Warm 80°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Warm 80° wind 2mph NNE
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 5 Technician: Sergio

Date: 8/14/12 Weather: Warm 79

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____

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9. Are there any accumulation of organic solids at soil surface: yes / (no) _____

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Warm 79° No Wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # M5 5 Technician: Sergio

Date: 8/15/12 Weather: Warm 80

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____

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9. Are there any accumulation of organic solids at soil surface: yes (no) _____

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Warm 80° No Wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS5 Technician: Sergio

Date: 8/14/12 Weather: Sunny 68°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____

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9. Are there any accumulation of organic solids at soil surface: yes / (no) _____

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 68° No wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: #MS5 Technician: Sergio

Date: 8/17/12 Weather: Sunny 71°

1. Any evidence of erosion: yes / (no)
2. Berm Condition Good
3. Standpipe and flow control valve condition WIA Lift pumps Working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no)
12. Are there any insects: yes / (no)
13. Temperature and wind direction/strength: Sunny 71° No wind
14. Other observations: Pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS5 Technician: Sergio

Date: 6/14/12 Weather: Sunny 72°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 72° Wind 3mph NNW
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # Ms 5 Technician: Sergio

Date: 8/19/12 Weather: Sunny 68°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 68° No wind
14. Other observations: Pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # M55 Technician: Sergio

Date: 8/20/12 Weather: Sunny 69°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 69° No Wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **POST**-Application Inspection Observations:

Field No: # MS 5 . Technician: Sergio

Date: 8/21/12 Weather: Sunny 67°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____

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9. Are there any accumulation of organic solids at soil surface: yes / (no) _____

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 67° No Wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: #Ms 6 Technician: Sergio

Date: 8/20/12 Weather: Sunny 69°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____

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9. Are there any accumulation of organic solids at soil surface: yes / (no) _____

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 69° No wind
14. Other observations: Grass Looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS6 Technician: Sergio

Date: 8/21/12 Weather: Sunny 67

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 67 No wind
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: #Ms 6 Technician: Sergio

Date: 8/22/12 Weather: Sunny 70°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 70° Nowind
14. Other observations: Grass Looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 6 Technician: Sergio

Date: 8/23/12 Weather: Sunny 69

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 69 Wind 2mph NW
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # Ms 6 Technician: Sergio

Date: 8/24/12 Weather: Sunny 70°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 70° No Wind
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: #MS6 Technician: Sergio

Date: 8/25/12 Weather: Sunny 71°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 71° No wind
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **POST**-Application Inspection Observations:

Field No: # MS6 . Technician: Sergio

Date: 8/24/12 Weather: Sunny 72°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes /(no) _____
7. Is there any potential runoff to off-site areas: yes /(no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes /(no) _____
12. Are there any insects: yes /(no) _____
13. Temperature and wind direction/strength: Sunny 72° wind 2mph NW
14. Other observations: Grass growing tall

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: #MS11 Technician: Sergio

Date: 8/12/12 Weather: Warm 80°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pump working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____

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9. Are there any accumulation of organic solids at soil surface: yes / (no) _____

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Warm 80° Wind 2mph NNE
14. Other observations: Alfalfa needs water

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # M11 Technician: Sergio

Date: 8/13/12 Weather: Warm 80°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Warm 80° 2mph NNE
14. Other observations: Alfalfa looks good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # M511 Technician: Sergio

Date: 8/14/12 Weather: Warm 79°

1. Any evidence of erosion: yes / (no)
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no)
12. Are there any insects: yes / (no)
13. Temperature and wind direction/strength: Warm 79° No wind
14. Other observations: Alfalfa looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # Mis 11 Technician: Sergio

Date: 8/15/12 Weather: Warm 80°

1. Any evidence of erosion: yes / no
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: yes / no
5. Is there any soil saturation: yes / no
6. Is there any ponding: yes / no
7. Is there any potential runoff to off-site areas: yes / no
8. Is there any potential and actual discharge to surface water: yes / no
9. Are there any accumulation of organic solids at soil surface: yes / no
10. Is there any soil clogging: yes / no
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / no
12. Are there any insects: yes / no
13. Temperature and wind direction/strength: Warm 80° No wind
14. Other observations: Alfalfa looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS11 Technician: Sergio

Date: 8/16/12 Weather: Sunny 68°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 68° No Wind
14. Other observations: Alfalfa looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # Mill Technician: Sergio

Date: 8/17/12 Weather: Sunny 71°

1. Any evidence of erosion: yes / (no)
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no)
12. Are there any insects: yes / (no)
13. Temperature and wind direction/strength: Sunny 71° No Wind
14. Other observations: Alfalfa Looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **POST**-Application Inspection Observations:

Field No: # M511 . Technician: Sergio

Date: 8/18/12 Weather: Sunny 72°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____

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9. Are there any accumulation of organic solids at soil surface: yes / (no) _____

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 72° wind 3mph NNW
14. Other observations: Alfalfa looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: #Ms 14 Technician: Sergio

Date: 8/25/12 Weather: Sunny 71°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition NH4 Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____

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9. Are there any accumulation of organic solids at soil surface: yes / (no) _____

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 71° No wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS14 Technician: Sergio

Date: 8/26/12 Weather: Sunny 72°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 72° wind 2mph NW
14. Other observations: pasture looks good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily DURING-Application Inspection Observations:

Field No: #MS14 Technician: Sergio

Date: 8/27/14 Weather: Sunny/cool / 59°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny/cool 59° Wind 3mph SE
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS14 Technician: Sergio

Date: 8/28/12 Weather: Sunny 62°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 62° No Wind
14. Other observations: _____

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 14 Technician: Sergio

Date: 8/29/12 Weather: Sunny 70°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 70° wind 5mph NW
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: #MS14 Technician: Sergio

Date: 8/30/12 Weather: Sunny 70°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 70° wind 2mph SE
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # Ms 14 Technician: Sergio

Date: 8/31/12 Weather: Sunny 72°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 72° W-5mph SSE
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # MS15 Technician: Sergio

Date: 8/4/12 Weather: Sunny 69

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps running
4. Are the valves being used properly: (yes) / NO _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____

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9. Are there any accumulation of organic solids at soil surface: yes / (no) _____

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 67° wind 2mph NNE
14. Other observations: Pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 15 Technician: Sergio

Date: 8/5/12 Weather: Sunny 70°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 70° No wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: #MS15 Technician: Sergio

Date: 8/6/12 Weather: Sunny 72°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 72° Nowind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS15 Technician: Sergio

Date: 8/7/12 Weather: Sunny 71°

1. Any evidence of erosion: yes / (no)
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no)
12. Are there any insects: yes / (no)
13. Temperature and wind direction/strength: Sunny 71° No wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # Ms 15 Technician: Sergio

Date: 8/18/12 Weather: Warm 73°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Warm 73° No Wind
14. Other observations: Pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # Ms 15 Technician: Sergio

Date: 8/9/12 Weather: Warm 75

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Warm 75° No Wind
14. Other observations: Pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 15 Technician: Sergio

Date: 8/10/12 Weather: Warm 76°

1. Any evidence of erosion: yes / (no)
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no)
12. Are there any insects: yes / (no)
13. Temperature and wind direction/strength: Warm 76° No wind
14. Other observations: Pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: #MS 15 Technician: Sergio

Date: 6/11/12 Weather: Warm 78°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Warm 78° No wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS15 Technician: Sergio

Date: 8/12/17 Weather: Warm 80°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Warm 80° Wind 2mph NNE
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 15 Technician: Sergio

Date: 8/13/12 Weather: Warm 80°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____

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9. Are there any accumulation of organic solids at soil surface: yes / (no) _____

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Warm 80° w 2 mph NNE
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 15 Technician: Sergio

Date: 8/14/12 Weather: Warm 79°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Warm 79° No Wind
14. Other observations: Pasture Looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS15 Technician: Sergio

Date: 8/15/12 Weather: warm 80°

1. Any evidence of erosion: yes / (no)
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no)
12. Are there any insects: yes / (no)
13. Temperature and wind direction/strength: warm 80°
14. Other observations: Pasture Looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 15 Technician: Sergio

Date: 8/16/12 Weather: Sunny 68°

1. Any evidence of erosion: yes / (no)
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no)
12. Are there any insects: yes / (no)
13. Temperature and wind direction/strength: Sunny 68° No Wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # M 15 Technician: Sergio

Date: 8/17/12 Weather: Sunny 71°

1. Any evidence of erosion: yes / (no)
2. Berm Condition Good
3. Standpipe and flow control valve condition WIA Lift pumps Working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no)
12. Are there any insects: yes / (no)
13. Temperature and wind direction/strength: Sunny 71° No Wind
14. Other observations: Pasture Looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 15 Technician: Sergio

Date: 8/18/12 Weather: Sunny 72°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 72° w. 8mph NNW
14. Other observations: Pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 15 Technician: Sergio

Date: 8/19/12 Weather: Sunny 68°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 68° No Wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 15 Technician: Sergio

Date: 8/20/12 Weather: Sunny 69°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 69° No wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **POST**-Application Inspection Observations:

Field No: # MS 15. Technician: Sergio

Date: 8/21/12 Weather: Sunny 67°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 67° No wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # MS 16/17 Technician: SWSD

Date: 8/4/12 Weather: Sunny 67

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps running
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____

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9. Are there any accumulation of organic solids at soil surface: yes / (no) _____

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 67° Wind 2mph NNE
14. Other observations: pasture Looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: #Ms16/17 Technician: Sergio

Date: 8/5/18 Weather: Sunny 70°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 70° No Wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # Ms 16/17 Technician: Sergio

Date: 8/16/17 Weather: Sunny 72°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 72° No Wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: #MS 16117 Technician: Sergio

Date: 8/7/12 Weather: Sunny 71°

1. Any evidence of erosion: yes / (no)
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no)
12. Are there any insects: yes / (no)
13. Temperature and wind direction/strength: Sunny 71° No wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 16/17 Technician: Sergio

Date: 6/18/12 Weather: Warm 73°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Warm 73° No wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 16/17 Technician: Sergio

Date: 8/9/12 Weather: Warm 75°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____

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9. Are there any accumulation of organic solids at soil surface: yes / (no) _____

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Warm 75° No Wind
14. Other observations: Pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 16/17 Technician: Sergio

Date: 8/10/12 Weather: Warm 76°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____

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9. Are there any accumulation of organic solids at soil surface: yes / (no) _____

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Warm 76° No wind
14. Other observations: Pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # Ms 16/17 Technician: Sergio

Date: 8/11/12 Weather: Warm 78

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____

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9. Are there any accumulation of organic solids at soil surface: yes / (no) _____

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Warm 78° Nowind
14. Other observations: Pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 16/17 Technician: Sergio

Date: 8/12/12 Weather: Warm 80°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Warm 80° Wind 2mph NNE
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # M5/16/17 Technician: Sergio

Date: 8/13/12 Weather: Warm 80°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Warm 80° Wind 2mph NNE
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: #Ms 16/17 Technician: Sergio

Date: 8/14/12 Weather: Warm 79°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Warm 79° No wind
14. Other observations: Pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 16/17 Technician: Sergio

Date: 8/15/12 Weather: Warm 80°

1. Any evidence of erosion: yes / (no)
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no)
12. Are there any insects: yes / (no)
13. Temperature and wind direction/strength: Warm 80° No wind
14. Other observations: Pasture Looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # Ms 16/17 Technician: Sergio

Date: 8/16/12 Weather: Sunny 68°

1. Any evidence of erosion: yes / (no)
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no)
12. Are there any insects: yes / (no)
13. Temperature and wind direction/strength: Sunny 68° No wind
14. Other observations: Pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 16/17 Technician: Sergio

Date: 8/17/12 Weather: Sunny 71°

1. Any evidence of erosion: yes / (no)
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no)
12. Are there any insects: yes / (no)
13. Temperature and wind direction/strength: Sunny 71° No wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 16/17 Technician: Sergio

Date: 8/18/12 Weather: Sunny 72°

1. Any evidence of erosion: yes / (no)
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no)
12. Are there any insects: yes / (no)
13. Temperature and wind direction/strength: Sunny 72° Wind 3mph NNW
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 16/17 Technician: Sergio

Date: 8/19/12 Weather: Sunny 68°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 68° No wind
14. Other observations: Pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: #MS116/17 Technician: Sergio

Date: 8/20/17 Weather: Sunny 69°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 69° No wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **POST**-Application Inspection Observations:

Field No: #dus 16/17 . Technician: Sergio

Date: 8/21/12 Weather: Sunny 67°

1. Any evidence of erosion: yes / no
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: yes / no
5. Is there any soil saturation: yes / no
6. Is there any ponding: yes / no
7. Is there any potential runoff to off-site areas: yes / no
8. Is there any potential and actual discharge to surface water: yes / no
9. Are there any accumulation of organic solids at soil surface: yes / no
10. Is there any soil clogging: yes / no
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / no
12. Are there any insects: yes / no
13. Temperature and wind direction/strength: Sunny 67° No wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 18ch1 Technician: Sergio

Date: 8/1/12 Weather: Sunny 70°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____

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9. Are there any accumulation of organic solids at soil surface: yes / (no) _____

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 70° Wind 5mph NNE
14. Other observations: Pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 18ch1 Technician: Sergio

Date: 8/2/12 Weather: Sunny 68°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____

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9. Are there any accumulation of organic solids at soil surface: yes / (no) _____

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 68° No Wind
14. Other observations: Pasture Looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **POST**-Application Inspection Observations:

Field No: # MS 16ch1 Technician: Sergio

Date: 8/3/12 Weather: Sunny 70°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 70° Wind 2mph NNE
14. Other observations: Pasture Looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: #Ms 18ch2 Technician: SE/GD

Date: 8/2/12 Weather: Sunny 68°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____

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9. Are there any accumulation of organic solids at soil surface: yes / (no) _____

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 68° No wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS18ch2 Technician: Sergio

Date: 6/3/12 Weather: Sunny 70°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____

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9. Are there any accumulation of organic solids at soil surface: yes / (no) _____

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 70° wind 2 mph NNE
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: #MS 18ch2 Technician: Sergio

Date: 8/4/12 Weather: Sunny 67°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____

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9. Are there any accumulation of organic solids at soil surface: yes / (no) _____

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 67° Wind 2mph NNE
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: #Ms 18ch2 Technician: Sergio

Date: 6/5/12 Weather: Sunny 70°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 70° No wind
14. Other observations: Pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 18ch2 Technician: Sergio

Date: 8/16/17 Weather: Sunny 72°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 72° No Wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: #Ms18ch2 Technician: Sergio

Date: 8/7/12 Weather: Sunny 71

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 71° No Wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 18 ch 2 Technician: Sergio

Date: 8/8/12 Weather: Warm 73°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Warm 73° No wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # Ms 18ch2 Technician: Sergio

Date: 8/9/12 Weather: Warm 75°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Warm 75° No Wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **POST**-Application Inspection Observations:

Field No: # Ms 18ch2 Technician: Sergio

Date: 8/10/12 Weather: warm 76°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____

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9. Are there any accumulation of organic solids at soil surface: yes / (no) _____

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: warm 76° No Wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # Ms20ch1 Technician: Sergio

Date: 8/20/12 Weather: Sunny 69°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____

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9. Are there any accumulation of organic solids at soil surface: yes / (no) _____

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 69° No wind
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # Ms 20ch1 Technician: Sergio

Date: 8/21/12 Weather: Sunny 67°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 67° No wind
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS20ch1 Technician: Sergio

Date: 8/22/12 Weather: Sunny 70°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 70° No Wind
14. Other observations: Grass Looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # Ms20 ch1 Technician: Sergio

Date: 8/23/12 Weather: Sunny 69

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 69° Wind 2mph NW
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # Ms 20ch1 Technician: Sergio

Date: 8/29/12 Weather: Sunny 70°

1. Any evidence of erosion: yes / (no)
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no)
12. Are there any insects: yes / (no)
13. Temperature and wind direction/strength: Sunny 70° No wind
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: #IMS 20ch1 Technician: Sergio

Date: 8/25/12 Weather: Sunny 71

1. Any evidence of erosion: yes / (no)
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no)
12. Are there any insects: yes / (no)
13. Temperature and wind direction/strength: Sunny 71 No wind
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 20641 Technician: Sergio

Date: 8/26/12 Weather: Sunny 72°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 72° Wind 2mph NW
14. Other observations: Grass Looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS20ch1 Technician: Sergio

Date: 6/27/12 Weather: Coo V Sunny 59°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny/cool 59° wind 3mphSE
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: #MS 20cm1 Technician: Sergio

Date: 8/28/12 Weather: Sunny 62°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 62° No Wind
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: #04s20ch1 Technician: Sergio

Date: 8/29/12 Weather: Sunny 70

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 70° wind 5mph NW
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 20ch 1 Technician: Sergio

Date: 8/30/12 Weather: Sunny 70°

1. Any evidence of erosion: yes / (no)
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no)
12. Are there any insects: yes / (no)
13. Temperature and wind direction/strength: Sunny 70° Wind 2mph SE
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: #MS20ch1 Technician: Sergio

Date: 8/31/12 Weather: Sunny 72°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____

_____

9. Are there any accumulation of organic solids at soil surface: yes / (no) _____

_____

10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 72° wind 5mph SSE
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # MS 21 Technician: Sergio

Date: 8/9/12 Weather: warm 75°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____

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9. Are there any accumulation of organic solids at soil surface: yes / (no) _____

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: warm 75° Nowind
14. Other observations: Alfalfa Looks Good, Needs Water

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 21 Technician: Sergio

Date: 8/10/12 Weather: Warm 76°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____

9. Are there any accumulation of organic solids at soil surface: yes / (no) _____

10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Warm 76° No wind
14. Other observations: Alfalfa looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 21 Technician: Sergio

Date: 8/11/17 Weather: Warm 78°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Warm 78° No wind
14. Other observations: Alfalfa looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 21 Technician: Sergio

Date: 6/12/12 Weather: Warm 80°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Warm 80° Wind 7mph NNE
14. Other observations: Alfalfa looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **POST**-Application Inspection Observations:

Field No: # Ms 21 Technician: Sergio

Date: 8/13/12 Weather: warm 80°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____

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9. Are there any accumulation of organic solids at soil surface: yes / (no) _____

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Warm 80° wind 7mph NNE
14. Other observations: Alfalfa looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: #MS 24ch1 Technician: Sergio

Date: 8/14/12 Weather: Sunny 67°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Left pump running
4. Are the valves being used properly (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____

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9. Are there any accumulation of organic solids at soil surface: yes / (no) _____

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 67° Wind 7mph NNE
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: #MS24ch1 Technician: Sergio

Date: 6/5/12 Weather: Sunny 70°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 70° No wind
14. Other observations: Pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 24ch1 Technician: Sergio

Date: 8/16/12 Weather: Sunny 72°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 72° No Wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: #Ms24ch2 Technician: Sergio

Date: 8/7/12 Weather: Sunny 71°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 71° No Wind
14. Other observations: Pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: #MS 24ch1 Technician: Sergio

Date: 8/8/12 Weather: Warm 73°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____

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9. Are there any accumulation of organic solids at soil surface: yes / (no) _____

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Warm 73° No wind
14. Other observations: Pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # Ms 24ch1 Technician: Sergio

Date: 8/9/12 Weather: Warm 75°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Warm 75° No Wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: #MS 24ch1 Technician: Sergio

Date: 8/10/12 Weather: Warm 76°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____

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9. Are there any accumulation of organic solids at soil surface: yes / (no) _____

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Warm 76° No Wind
14. Other observations: Pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: #MS 24ch1 Technician: Sergio

Date: 8/11/12 Weather: Warm 78°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Warm 78° No wind
14. Other observations: Pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 24c41 Technician: Sergio

Date: 8/12/12 Weather: Warm 80°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Warm 80° wind 7mph NNE
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 24 ch1 Technician: Sergio

Date: 8/13/12 Weather: Warm 80°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Warm 80° Wind 2mph NNE
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: #Ms 24ch1 Technician: Sergio

Date: 8/14/12 Weather: Warm 79°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition WIA Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Warm 79° No wind
14. Other observations: Pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: #MS 24ch1 Technician: Sergio

Date: 8/15/17 Weather: Warm 80°

1. Any evidence of erosion: yes / (no)
2. Berm Condition Good
3. Standpipe and flow control valve condition WIA Lift pumps Working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no)
12. Are there any insects: yes / (no)
13. Temperature and wind direction/strength: Warm 80° No Wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # Ms 24ch1 Technician: Sergio

Date: 8/16/12 Weather: Sunny 68°

1. Any evidence of erosion: yes / (no)
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no)
12. Are there any insects: yes / (no)
13. Temperature and wind direction/strength: Sunny 68° No Wind
14. Other observations: Pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 24ch1 Technician: Sergio

Date: 8/17/12 Weather: Sunny 71°

1. Any evidence of erosion: yes / (no)
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)

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9. Are there any accumulation of organic solids at soil surface: yes / (no)

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10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no)
12. Are there any insects: yes / (no)
13. Temperature and wind direction/strength: Sunny 71° No Wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: #Ms24ch1 Technician: Sergio

Date: 8/18/17 Weather: Sunny 72

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____

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9. Are there any accumulation of organic solids at soil surface: yes / (no) _____

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 72° wind 3mph NNW
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # Ms 24chl Technician: Sergio

Date: 8/19/17 Weather: Sunny 67°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Running
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____

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9. Are there any accumulation of organic solids at soil surface: yes / (no) _____

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny/67° Wind 7mph SSW
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # Ms 24ch1 Technician: Sergio

Date: 8/10/12 Weather: Sunny 69°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 69° No wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # Ms 24ch1 Technician: Sergio

Date: 8/21/12 Weather: Sunny 67°

1. Any evidence of erosion: yes / (no)
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no)
12. Are there any insects: yes / (no)
13. Temperature and wind direction/strength: Sunny 67° No wind
14. Other observations: Pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **POST**-Application Inspection Observations:

Field No: #Ms 24ch1. Technician: Sergio

Date: 8/22/12 Weather: Sunny 71°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____

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9. Are there any accumulation of organic solids at soil surface: yes / (no) _____

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 71° No wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # Ms 24ch2 Technician: Sergio

Date: 8/21/12 Weather: Sunny 67°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____

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9. Are there any accumulation of organic solids at soil surface: yes / (no) _____

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 67° No Wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: #Ms 24ch2 Technician: Sergio

Date: 8/22/12 Weather: Sunny 70°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 70° No Wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 24/ch2 Technician: Sergio

Date: 8/23/12 Weather: Sunny 69°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 69° wind 2mph NW
14. Other observations: pasture looks good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: #MB24ch2 Technician: Sergio

Date: 8/24/12 Weather: Sunny 70°

1. Any evidence of erosion: yes / (no)
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no)
12. Are there any insects: yes / (no)
13. Temperature and wind direction/strength: Sunny 70° No wind
14. Other observations: pasture looks good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: #MS 24/ch 2 Technician: Sergio

Date: 8/25/12 Weather: Sunny 71

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 71° Nowind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: #MS 24ch2 Technician: Sergio

Date: 8/26/17 Weather: Sunny 72°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 72° wind 3mph NW
14. Other observations: pasture looks good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: #MS 24/ch 2 Technician: Sergio

Date: 6/27/12 Weather: Sunny/cool 59°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny/cool 59° Wind 3mph SE ~~SE~~
14. Other observations: pasture looks good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: #MS24ch2 Technician: Sergio

Date: 8/28/12 Weather: Sunny 62°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 62° No wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: #MS 24ch2 Technician: Sergio

Date: 8/29/12 Weather: Sunny 70°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 70° wind 5mph NW
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: #Ms 24ch2 Technician: Sergio

Date: 8/30/12 Weather: Sunny 70°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 70° Wind 2mph SE
14. Other observations: Pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: #Ms24ch2 Technician: Sergio

Date: 8/31/12 Weather: Sunny 72°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 72° Wind 5mph SSE
14. Other observations: pasture looks Good