ASA

Monitoring Report Submittal Transmittal Form

Staff: GJC
Logged in as received: 11/7/2012 SHM
Date reviewed:
Violations?:
Logged in as Reviewed:

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 September

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 _____

RECEIVED SACRAMENTO CVRWQCB 12 NOV -2 PM 2:06

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: 11/1/12

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

15 October 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 September 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

Williams
2211 Old HWY 99
Williams, California
95987

Santa Nella
12045 S Ingomar Grade Rd
Los Banos, California
93635

Los Banos
13448 Volta Rd
Los Banos, California
93635

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

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

Time Period: September 1, 2012 to September 30, 2012, retrieved on October 29, 2012

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

DATE MM DD YYYY	OBS TIME HH:MM	PRECIP AMOUNT & TYPE (IN)	AIR TEMPERATURE MAX (F)	AIR TEMPERATURE MIN (F)	AIR TEMPERATURE OBS	WIND DD	WIND SS	ETo (IN)	SOL RAD (LY)	SOIL T MAX (F)	SOIL T MIN (F)	WX	RELATIVE HUMIDITY MAX	RELATIVE HUMIDITY MIN	BULB TEMP WET (F)	BULB TEMP DRY (F)	PAN EVAP (IN)
09-01-2012	23:59	0.00	82	49		SE	3		521	72	69		97.7	35.8			
09-02-2012	23:59	0.00	89	49		SE	3		514	72	68		99.1	29.4			
09-03-2012	23:59	0.00	92	53		SE	3		521	72	68		98.0	25.9			
09-04-2012	23:59	0.00	93	53		SE	3		529	72	69		92.4	19.9			
09-05-2012	23:59	0.00	88	52		SE	4		364	71	69		91.9	32.2			
09-06-2012	23:59	0.00	88	55		SE	4		502	72	68		93.7	27.3			
09-07-2012	23:59	0.00	92	49		SW	3		481	71	67		94.8	24.8			
09-08-2012	23:59	0.00	91	59		SE	5		486	72	69		66.8	27.5			
09-09-2012	23:59	0.00	88	58		SE	5		508	71	60		72.7	26.9			
09-10-2012	23:59	0.00	93	49		N	3		508	65	62		96.4	24.3			
09-11-2012	23:59	0.00	91	50		W	2		503	66	63		95.0	29.8			
09-12-2012	23:59	0.00	93	53		SW	2		457	66	63		92.4	33.5			
09-13-2012	23:59	0.00	95	55		NE	3		460	68	64		95.3	31.0			
09-14-2012	23:59	0.00	90	57		SE	4		445	69	66		91.9	39.1			
09-15-2012	23:59	0.00	90	55		SE	4		488	69	67		84.4	26.3			
09-16-2012	23:59	0.00	90	51		SE	3		465	69	65		94.5	24.5			
09-17-2012	23:59	0.00	91	52		SE	4		460	68	65		93.2	26.6			
09-18-2012	23:59	0.00	90	51		SE	4		461	68	65		87.4	32.3			
09-19-2012	23:59	0.00	86	50		SE	4		461	68	66		90.8	33.0			
09-20-2012	23:59	0.00	89	49		SE	3		452	68	65		94.0	32.1			
09-21-2012	23:59	0.00	88	58		SE	4		453	70	65		95.1	31.0			
09-22-2012	23:59	0.00	92	50		E	3		471	72	65		96.2	19.4			
09-23-2012	23:59	0.00	89	57		SE	5		377	72	67		88.9	29.4			
09-24-2012	23:59	0.00	88	51		N	4		459	72	67		86.9	23.5			
09-25-2012	23:59	0.00	92	52		SE	3		417	70	59		90.4	26.9			
09-26-2012	23:59	0.00	89	54		SE	2		424	68	63		95.7	34.4			
09-27-2012	23:59	0.00	93	53		SE	2		431	69	64		98.9	25.4			
09-28-2012	23:59	0.00	96	55		SE	3		427	71	65		96.9	25.1			
09-29-2012	23:59	0.00	96	53		SE	2		423	71	66		96.9	25.2			
09-30-2012	23:59	0.00	94	53		N	3		429	70	66		95.9	23.2			

30 records listed

The Morning Star Packing Company
General Pond Monitoring
Sep-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
9/4/12	7.61	2.58	1.0	657	452	Good	Blue/Green	None
9/10/12	7.43	2.58	1.2	642	442	Good	Blue/Green	None
9/17/12	7.53	2.67	1.4	624	429	Good	Blue/Green	None
9/24/12	7.29	2.67	1.3	620	427	Good	Blue/Green	None
Average	**7.47**	**2.63**	**1.2**	**636**	**438**			

[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
9/4/12	6.28	3.25	3.0	899	Good	Brown/Red	Minimal Tomato
9/10/12	5.44	3.25	4.2	1,109	Good	Brown/Red	Minimal Tomato
9/17/12	6.59	3.25	3.1	926	Good	Brown/Red	Minimal Tomato
9/24/12	6.04	3.17	3.6	568	Good	Brown/Red	Minimal Tomato
Average	**6.09**	**3.23**	**3.5**	**876**			

Settling Pond Effluent 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
9/4/12	4.96	1,275	1,190	760	47.0	921	0.0	0.0	107.5
9/10/12	4.63	1,003	1,331	924	37.0	1,054	0.0	0.0	55.6
9/17/12	7.35	957	1,210	825	12.0	604	0.0	0.0	82.2
9/24/12	6.60	2,690	1,880	1,550	4.0	944	0.0	0.0	72.6
Average	**5.89**	**1,481**	**1,403**	**1,015**	**25.0**	**881**	**0.0**	**0.0**	**79.5**

MORNING STAR

"Excellence Through Commitment"

Field Log: CP/SP # 36 Technician: Sergio

Date: 9/4/12 Weather: Sunny 67°

COOLING POND

pH: 7.61 EC: 656.8 µmhos/cm Temp: 33.4 °C ___ °F

Freeboard: 31 inches Time: 0735 (0700-0900 hours)

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

Levee Condition: Good

Water Color: Green/Blue

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: 6.28 EC: 899.4 µmhos/cm Temp: 26.5 °C ___ °F

Freeboard: 39 inches Time: 0758 (0700-0900 hours)

HQ10 Hach Portable LDO Dissolved Oxygen Meter (Probe) RESULT: 3.0

Levee Condition: Good

Water Color: Brown / Red

Odors: yes / no Strength: minimal Characteristics: tomato

Other Observations: Aerator running

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

MORNING STAR

"Excellence Through Commitment"

Field Log: CP/SP # 37 Technician: Sergio

Date: 9/10/12 Weather: Cool/Sunny 66°

COOLING POND

pH: 7.43 EC: 6423 µmhos/cm Temp: ~~07:30~~ 31.2 °C ____ °F

Freeboard: 31 inches Time: 07:30 (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

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

SETTLING POND

pH: 5.44 EC: 1109 µmhos/cm Temp: 28.1 °C ____ °F

Freeboard: 39 inches Time: 07:40 (0700-0900 hours)

HQ10 Hach Portable LDO Dissolved Oxygen Meter (Probe) RESULT: 4.2

Levee Condition: Good

Water Color: Brown / Red

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

Other Observations: Aerator running

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

MORNING STAR

"Excellence Through Commitment"

Field Log: CP/SP # 38 Technician: Sergio

Date: 9/17/12 Weather: Sunny 71°

COOLING POND

pH: 7.53 EC: 623.4 µmhos/cm Temp: 32.9 °C ____ °F

Freeboard: 32 inches Time: 08:20 (0700-0900 hours)

HQ10 Hach Portable LDO Dissolved Oxygen Meter (Probe) RESULT: 1.4

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: 6.59 EC: 925.7 µmhos/cm Temp: 26.0 °C ____ °F

Freeboard: 39 inches Time: 08:05 (0700-0900 hours)

HQ10 Hach Portable LDO Dissolved Oxygen Meter (Probe) RESULT: 3.1

Levee Condition: Good

Water Color: Brown / Red

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

Other Observations: Aerator running

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

MORNING STAR

"Excellence Through Commitment"

Field Log: CP/SP # 39 Technician: Sergio

Date: 9/24/12 Weather: Cool 66°

COOLING POND

pH: 7.29 EC: 620.1 µmhos/cm Temp: 31.4 °C ____ °F

Freeboard: 32 inches Time: 0800 (0700-0900 hours)

HQ10 Hach Portable LDO Dissolved Oxygen Meter (Probe) RESULT: 1.3

Levee Condition: Good

Water Color: Blue / Green

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

Other Observations: Moss screen not running

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

SETTLING POND

pH: 6.04 EC: 5681 µmhos/cm Temp: 25.8 °C ____ °F

Freeboard: 38 inches Time: 0740 (0700-0900 hours)

HQ10 Hach Portable LDO Dissolved Oxygen Meter (Probe) RESULT: 3.6

Levee Condition: Good

Water Color: Brown / Red

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

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	: 9/4/2012
Date Received	: 9/4/2012
Sampled By	: client
Sample Lab. #	: 09042012
Date Reporting	: 9/11/2012

Analyte	Method #	RL(mg/l)	Sample Results(mg/l)
Settling Pond			
PH	SM 4500-H B	1-14	4.96
EC	SM 2510-B	1.0 umhos/cm	1275.umhos/cm
Total Dissolved Solid (TDS)	SM 2540-D	5.0	1190.
Fixed Dissolved Solid (FDS)	SM 2540-E	5.0	760.
Settleable Solid (SS)	SM 2540-F	1.0ml/l/hr	47.0
(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	107.5

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.
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 packing Co.

ADDRESS: 2211 old Hwy 99
Williams CA 95987

PHONE: 530 473 3600

PROJECT NAME/SITE: Morning star

SAMPLER: Sergio Cervantes

DATE: 9/4/12

REPORT TO:

BILLING TO:

TURNAROUND TIME:

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

PO#/BILLING REFERENCE:

ANALYSIS REQUESTED

SAMPLE ID#/ STATION	SAMPLE DESCRIPTION	NUMBER OF CONT.	TYPE CONT.	SAMPLING TIME/DATE	MRP	REMARKS	SAMPLE NUMBER
SP 1	Settling Pond 1	1	BTL	9/4/12 @ 0735	✓		
SP 2	Settling Pond 2	1	BTL	9/14/12 @ 0800	✓		

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
Sergio Cervantes	9/4/12		[signature] 9/4/12
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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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: 09/17/2012

Sample ID # : Settling Pond
Sample Matrix : Effluent
Sampling Date : 09/10/2012
Date Received : 09/10/2012
Sampled By : client
Sample Lab. # :09102012

Analyte	Method #	RL(mg/l)	Sample Results(mg/l)
Settling Pond			
PH	SM 4500-H B	1-14	4.63
EC	SM 2510-B	1.0 umhos/cm	1,003. umhos/cm
Total Dissolved Solid (TDS)*	SM 2540-D	5.0	1,331.
Fixed Dissolved Solid (FDS)	SM 2540-E	5.0	924.
Settleable Solid (SS)	SM 2540-F	1.0ml/l/hr	37.
(BOD) 5-day	SM 5210-B	0.2	1054.
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	55.6

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

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 Packing Co.
ADDRESS: 2211 Old Hwy 99W
Williams CA 95987
PHONE: 530 473 3600
PROJECT NAME/SITE: Morning Star
SAMPLER: Sergio Cervantes
DATE: 9/10/12

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: NAD

SAMPLE ID#/ STATION	SAMPLE DESCRIPTION	NUMBER OF CONT.	TYPE CONT.	SAMPLING TIME/DATE	NAD	REMARKS	SAMPLE NUMBER
SP1	settling pond 1	1	BTC	0750/9/10/12	✓		
SP2	Settling pond 2	1	BTC	0750/9/10/12	✓		

RELINQUISHED BY: Sergio Cervantes — DATE: 9/10/12 TIME:
RECEIVED BY: [signature] 9/10/12
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?		

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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

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: 09/22/2012

Sample iD # : Settiing Pond
Sample Matrix : Effluent
Sampling Date : 09/17/2012
Date Received : 09/17/2012
Sampled By : client
Sample Lab. # :09172012

Analyte	Method #	RL(mg/l)	Sample Results(mg/l)
Settling Pond			
PH	SM 4500-H B	1-14	7.35
EC	SM 2510-B	1.0 umhos/cm	957. umhos/cm
Total Dissolved Solid (TDS)*	SM 2540-D	5.0	1,210.
Fixed Dissolved Solid (FDS)	SM 2540-E	5.0	825.
Settleable Solid (SS)	SM 2540-F	1.0ml/l/hr	12.0
(BOD) 5-day	SM 5210-B	0.2	604.
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	82.2

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
DATE: 9/17/12

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	MRP	REMARKS	SAMPLE NUMBER
SP 1	Settling Pond 1	1	BTL	0820 / 9/17/12	✓		
SP 2	Settling Pond 2	1	BTL	0821 / 9/17/12	✓		

RELINQUISHED BY: Sergio Cervantes — DATE: 9/17/12 TIME:
RECEIVED BY: [signature] 9/17/12
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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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: 09/30/2012

Sample ID # : Settling Pond
Sample Matrix : Effluent
Sampling Date : 09/24/2012
Date Received : 09/24/2012
Sampled By : client
Sample Lab. # :09242012

Analyte	Method #	RL(mg/l)	Sample Results(mg/l)
Settling Pond			
PH	SM 4500-H B	1-14	6.60
EC	SM 2510-B	1.0 umhos/cm	2,690. umhos/cm
Total Dissolved Solid (TDS)*	SM 2540-D	5.0	1,880.
Fixed Dissolved Solid (FDS)	SM 2540-E	5.0	1550.
Settleable Solid (SS)	SM 2540-F	1.0ml/l/hr	4.00
(BOD) 5-day	SM 5210-B	0.2	944.
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	72.6

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 W
Williams CA 95987

PHONE: 530 473-3600

PROJECT NAME/SITE: Morning Star

SAMPLER: Sergio Cervantes

DATE: 9/24/12

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

SAMPLE ID#/ STATION	SAMPLE DESCRIPTION	NUMBER OF CONT.	TYPE CONT.	SAMPLING TIME/DATE	MPD	REMARKS	SAMPLE NUMBER
SP1	Settling Pond 1	1	BTL	9/24/12	✓		
SP2	Settling Pond 2	1	BTL	9/24/12	✓		

RELINQUISHED BY: Sergio Cervantes	DATE: 9/24/12 TIME:	RECEIVED BY: 9/24/12	TRAVEL TIME:
RELINQUISHED BY:	DATE: TIME:	RECEIVED BY:	ON SITE TIME:
RELINQUISHED BY:	DATE: TIME:	RECEIVED IN LAB BY:	OTHER:

WERE SAMPLES:	YES	NO
PRESERVED?		
IN GOOD CONDITION?		

The Morning Star Packing Company
Washwater and Fresh Water Flows to Fields
September-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
9/1/2012	15min. Intervals	835	1,201,759	0	0	1,534	2,209,020	
9/2/2012	15min. Intervals	828	1,191,857	0	0	1,501	2,161,296	
9/3/2012	15min. Intervals	747	1,076,177	0	0	1,501	2,161,509	
9/4/2012	15min. Intervals	1,425	2,051,352	0	0	1,975	2,843,739	
9/5/2012	15min. Intervals	1,616	2,326,794	0	0	1,584	2,280,882	
9/6/2012	15min. Intervals	1,606	2,312,210	0	0	1,524	2,195,242	
9/7/2012	15min. Intervals	1,611	2,320,054	0	0	1,543	2,222,111	
9/8/2012	15min. Intervals	1,590	2,289,226	0	0	1,527	2,199,029	
9/9/2012	15min. Intervals	1,567	2,256,259	0	0	1,507	2,170,404	
9/10/2012	15min. Intervals	1,585	2,281,728	71	101,816	1,482	2,133,441	
9/11/2012	15min. Intervals	1,038	1,494,829	315	453,438	1,736	2,499,196	
9/12/2012	15min. Intervals	1,049	1,510,159	316	455,403	1,516	2,182,973	
9/13/2012	15min. Intervals	1,034	1,489,088	296	425,591	1,942	2,796,278	
9/14/2012	15min. Intervals	1,051	1,513,520	268	386,122	1,547	2,228,092	
9/15/2012	15min. Intervals	1,077	1,551,178	233	335,300	1,617	2,328,571	
9/16/2012	15min. Intervals	1,221	1,757,950	234	336,604	1,616	2,327,324	
9/17/2012	15min. Intervals	1,325	1,908,249	208	299,516	1,629	2,346,445	
9/18/2012	15min. Intervals	1,121	1,614,806	163	234,094	1,666	2,399,547	
9/19/2012	15min. Intervals	1,202	1,730,531	0	0	1,680	2,419,271	
9/20/2012	15min. Intervals	1,093	1,573,959	0	0	1,663	2,394,669	
9/21/2012	15min. Intervals	985	1,418,092	0	0	1,641	2,362,718	
9/22/2012	15min. Intervals	980	1,411,219	0	0	1,619	2,331,551	
9/23/2012	15min. Intervals	1,017	1,464,281	0	0	1,648	2,373,034	
9/24/2012	15min. Intervals	1,220	1,756,168	0	0	1,656	2,384,552	
9/25/2012	15min. Intervals	1,220	1,756,168	0	0	1,599	2,302,967	
9/26/2012	15min. Intervals	1,087	1,564,844	0	0	1,552	2,235,600	
9/27/2012	15min. Intervals	1,037	1,494,000	0	0	1,577	2,271,332	
9/28/2012	15min. Intervals	1,031	1,484,119	0	0	1,541	2,219,405	
9/29/2012	15min. Intervals	1,057	1,522,584	0	0	1,586	2,284,437	
9/30/2012	15min. Intervals	1,076	1,549,505	0	0	1,639	2,359,809	
Average		1,178	1,695,756	70	100,929	1,612	2,320,815	
Minimum		747	1,076,177	0	0	1,482	2,133,441	
Maximum		1,616	2,326,794	316	455,403	1,975	2,843,739	

[1] 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	0	0.00	956	901	114	0	0.00	472	0	0.00	0.00
2	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
3	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
4	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
5	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
6	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
7	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
8	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
9	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
10	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
11	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
12	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
13	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
14	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
15	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
16	746,693	0.29	849	1,097	95.9	107,995	0.04	457	0	0.00	0.00
17	692,274	0.27	860	1,024	81.8	88,367	0.03	441	0	0.00	0.00
18	707,941	0.27	860	1,024	81.8	69,065	0.03	441	0	0.00	0.00
19	713,760	0.28	860	1,024	81.8	0	0.00	441	0	0.00	0.00
20	706,502	0.27	860	1,024	81.8	0	0.00	441	0	0.00	0.00
21	697,075	0.27	860	1,024	81.8	0	0.00	441	0	0.00	0.00
22	527,752	0.20	860	1,024	81.8	0	0.00	441	0	0.00	0.00
23	667,767	0.26	860	1,024	81.8	0	0.00	441	0	0.00	0.00
24	494,182	0.19	867	1,474	70.1	0	0.00	433	0	0.00	0.00
25	494,182	0.19	867	1,474	70.1	0	0.00	433	0	0.00	0.00
26	440,344	0.17	867	1,474	70.1	0	0.00	433	0	0.00	0.00
27	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
28	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
29	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
30	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
31	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
	6,888,472	2.66				265,427	0.10		0	0.00	0.00
	21.1	ac-ft				0.8	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
0.33	5,290	56	598	6	7,247	76
0.30	4,968	52	473	5	6,240	66
0.30	5,080	53	483	5	6,303	66
0.28	5,122	54	487	5	6,099	64
0.27	5,070	53	482	5	6,037	64
0.27	5,002	53	476	5	5,956	63
0.20	3,787	40	360	4	4,509	47
0.26	4,792	50	456	5	5,706	60
0.19	3,575	38	289	3	6,078	64
0.19	3,575	38	289	3	6,078	64
0.17	3,186	34	258	3	5,416	57
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
2.76	49,447	17 Ave.	4,651	49 Total	65,669	691 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	49 lbs/acre	691 lbs/acre
Total	**171 lbs/acre**	**2,329 lbs/acre**

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

82.1	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)
0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
0.66	804	895	119.9	0	0.00	464	0	0.00	0.00
0.55	804	895	119.9	0	0.00	464	0	0.00	0.00
0.53	804	895	119.9	0	0.00	464	0	0.00	0.00
0.53	804	895	119.9	0	0.00	464	0	0.00	0.00
0.53	804	895	119.9	0	0.00	464	0	0.00	0.00
0.52	804	895	119.9	0	0.00	464	0	0.00	0.00
0.34	849	1,097	95.9	35,814	0.02	457	0	0.00	0.00
0.39	849	1,097	95.9	159,500	0.07	457	0	0.00	0.00
0.34	849	1,097	95.9	160,191	0.07	457	0	0.00	0.00
0.44	849	1,097	95.9	149,704	0.07	457	0	0.00	0.00
0.35	849	1,097	95.9	135,821	0.06	457	0	0.00	0.00
0.37	849	1,097	95.9	117,944	0.05	457	0	0.00	0.00
0.29	849	1,097	95.9	93,331	0.04	457	0	0.00	0.00
0.27	860	1,024	81.8	76,367	0.03	441	0	0.00	0.00
0.27	860	1,024	81.8	59,687	0.03	441	0	0.00	0.00
0.28	860	1,024	81.8	0	0.00	441	0	0.00	0.00
0.27	860	1,024	81.8	0	0.00	441	0	0.00	0.00
0.27	860	1,024	81.8	0	0.00	441	0	0.00	0.00
0.20	860	1,024	81.8	0	0.00	441	0	0.00	0.00
0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
7.40				988,359	0.44		0	0.00	0.00
ac-ft				3.0	ac-ft		0.0	ac-ft	0.0
				0%			0%		

19,088,137 gal

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
0.66	9,857	120	1,470	18	10,973	134
0.55	8,184	100	1,221	15	9,111	111
0.53	7,877	96	1,175	14	8,769	107
0.53	7,974	97	1,189	14	8,876	108
0.53	7,891	96	1,177	14	8,784	107
0.52	7,788	95	1,161	14	8,669	106
0.36	5,317	65	601	7	7,006	85
0.46	6,228	76	703	9	8,655	105
0.41	5,440	66	614	7	7,640	93
0.51	6,968	85	787	10	9,575	117
0.41	5,552	68	627	8	7,692	94
0.42	5,803	71	655	8	7,948	97
0.33	4,572	56	516	6	6,263	76
0.30	4,293	52	408	5	5,393	66
0.30	4,390	53	418	5	5,447	66
0.28	4,427	54	421	5	5,271	64
0.27	4,382	53	417	5	5,217	64
0.27	4,323	53	411	5	5,147	63
0.20	3,273	40	311	4	3,897	47
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
7.84	114,539	45 Ave.	14,282	174 Total	140,333	1709 Total

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	174 lbs/acre	1,709 lbs/acre
Total	**254 lbs/acre**	**2,713 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)
1	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
2	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
3	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
4	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
5	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
6	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
7	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
8	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
9	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
10	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
11	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
12	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
13	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
14	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
15	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
16	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
17	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
18	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
19	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
20	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
21	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
22	136,660	0.20	860	1,024	81.8	0	0.00	441	0	0.00	0.00
23	172,917	0.26	860	1,024	81.8	0	0.00	441	0	0.00	0.00
24	127,967	0.19	867	1,474	70.1	0	0.00	433	0	0.00	0.00
25	127,967	0.19	867	1,474	70.1	0	0.00	433	0	0.00	0.00
26	114,026	0.17	867	1,474	70.1	0	0.00	433	0	0.00	0.00
27	139,214	0.21	867	1,474	70.1	0	0.00	433	0	0.00	0.00
28	159,848	0.24	867	1,474	70.1	0	0.00	433	0	0.00	0.00
29	197,864	0.30	867	1,474	70.1	0	0.00	433	0	0.00	0.00
30	201,362	0.30	867	1,474	70.1	0	0.00	433	0	0.00	0.00
31	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
	1,377,824	2.06				0	0.00		0	0.00	0.00
	4.2	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	0.00	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	0.00	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	0.20	981	40	93	4	1,168	47
23	0.26	1,241	50	118	5	1,478	60
24	0.19	926	38	75	3	1,574	64
25	0.19	926	38	75	3	1,574	64
26	0.17	825	34	67	3	1,402	57
27	0.21	1,007	41	81	3	1,712	70
28	0.24	1,156	47	94	4	1,966	80
29	0.30	1,431	58	116	5	2,434	99
30	0.30	1,457	59	118	5	2,477	101
31	0.00	0	0	0	0	0	0
	2.06	9,950	14 Ave.	837	34 Total	15,785	642 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	34 lbs/acre	642 lbs/acre
Total	**143 lbs/acre**	**2,105 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	956	901	113.7	0	0.00	472	0	0.00	0.00	0.00	0	0	0	0	0	0
2	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	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00	0.00	0	0	0	0	0	0
4	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00	0.00	0	0	0	0	0	0
5	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00	0.00	0	0	0	0	0	0
6	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00	0.00	0	0	0	0	0	0
7	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00	0.00	0	0	0	0	0	0
8	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00	0.00	0	0	0	0	0	0
9	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00	0.00	0	0	0	0	0	0
10	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00	0.00	0	0	0	0	0	0
11	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00	0.00	0	0	0	0	0	0
12	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00	0.00	0	0	0	0	0	0
13	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00	0.00	0	0	0	0	0	0
14	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00	0.00	0	0	0	0	0	0
15	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00	0.00	0	0	0	0	0	0
16	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00	0.00	0	0	0	0	0	0
17	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00	0.00	0	0	0	0	0	0
18	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00	0.00	0	0	0	0	0	0
19	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00	0.00	0	0	0	0	0	0
20	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00	0.00	0	0	0	0	0	0
21	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00	0.00	0	0	0	0	0	0
22	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00	0.00	0	0	0	0	0	0
23	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00	0.00	0	0	0	0	0	0
24	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00	0.00	0	0	0	0	0	0
25	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00	0.00	0	0	0	0	0	0
26	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00	0.00	0	0	0	0	0	0
27	121,105	0.21	867	1,474	70.1	0	0.00	433	0	0.00	0.00	0.21	876	41	71	3	1,490	70
28	139,055	0.24	867	1,474	70.1	0	0.00	433	0	0.00	0.00	0.24	1,006	47	81	4	1,710	80
29	172,125	0.30	867	1,474	70.1	0	0.00	433	0	0.00	0.00	0.30	1,245	58	101	5	2,117	99
30	175,169	0.30	867	1,474	70.1	0	0.00	433	0	0.00	0.00	0.30	1,267	59	102	5	2,155	101
31	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00	0.00	0	0	0	0	0	0
	607,453	1.05				0	0.00		0	0.00	0.00	1.05	4,394	7 Ave.	355	17 Total	7,472	349 Total
	1.9	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	17 lbs/acre	349 lbs/acre
Total	**63 lbs/acre**	**838 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)
1	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
2	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
3	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
4	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
5	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
6	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
7	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
8	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
9	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
10	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
11	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
12	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
13	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
14	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
15	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
16	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
17	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
18	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
19	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
20	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
21	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
22	197,768	0.20	860	1,024	81.8	0	0.00	441	0	0.00	0.00
23	250,237	0.26	860	1,024	81.8	0	0.00	441	0	0.00	0.00
24	185,188	0.19	867	1,474	70.1	0	0.00	433	0	0.00	0.00
25	185,188	0.19	867	1,474	70.1	0	0.00	433	0	0.00	0.00
26	165,013	0.17	867	1,474	70.1	0	0.00	433	0	0.00	0.00
27	201,464	0.21	867	1,474	70.1	0	0.00	433	0	0.00	0.00
28	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
29	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
30	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
31	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
	1,184,858	1.22				0	0.00		0	0.00	0.00
	3.6	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	0.00	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	0.00	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	0.20	1,419	40	135	4	1,690	47
23	0.26	1,796	50	171	5	2,138	60
24	0.19	1,340	38	108	3	2,278	64
25	0.19	1,340	38	108	3	2,278	64
26	0.17	1,194	34	97	3	2,030	57
27	0.21	1,458	41	118	3	2,478	70
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
	1.22	8,547	8 Ave.	737	21 Total	12,892	362 Total

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	21 lbs/acre	362 lbs/acre
Total	**42 lbs/acre**	**654 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	627,322	0.52	956	901	113.7	0	0.00	472	0	0.00	0.00
2	613,769	0.51	956	901	113.7	0	0.00	472	0	0.00	0.00
3	613,830	0.51	956	901	113.7	0	0.00	472	0	0.00	0.00
4	796,390	0.66	804	895	119.9	0	0.00	464	0	0.00	0.00
5	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
6	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
7	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
8	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
9	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
10	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
11	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
12	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
13	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
14	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
15	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
16	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
17	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
18	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
19	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
20	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
21	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
22	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
23	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
24	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
25	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
26	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
27	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
28	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
29	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
30	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
31	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
	2,651,311	**2.20**				**0**	**0.00**		**0**	**0.00**	**0.00**
	8.1	**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)
0.52	5,004	**112**	595	**13**	4,716	**106**
0.51	4,896	**110**	582	**13**	4,615	**104**
0.51	4,897	**110**	582	**13**	4,615	**104**
0.66	5,343	**120**	797	**18**	5,948	**134**
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**
0.00	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**
2.20	**20,140**	**15 Ave.**	**2,556**	**57 Total**	**19,894**	**447 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	57 lbs/acre	447 lbs/acre
Total	**84 lbs/acre**	**673 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	956	901	113.7	0	0.00	472	0	0.00	0.00
2	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
3	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
4	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
5	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
6	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
7	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
8	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
9	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
10	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
11	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
12	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
13	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
14	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
15	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
16	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
17	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
18	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
19	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
20	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
21	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
22	148,326	0.20	860	1,024	81.8	0	0.00	441	0	0.00	0.00
23	187,678	0.26	860	1,024	81.8	0	0.00	441	0	0.00	0.00
24	138,891	0.19	867	1,474	70.1	0	0.00	433	0	0.00	0.00
25	138,891	0.19	867	1,474	70.1	0	0.00	433	0	0.00	0.00
26	123,760	0.17	867	1,474	70.1	0	0.00	433	0	0.00	0.00
27	151,098	0.21	867	1,474	70.1	0	0.00	433	0	0.00	0.00
28	173,494	0.24	867	1,474	70.1	0	0.00	433	0	0.00	0.00
29	214,754	0.30	867	1,474	70.1	0	0.00	433	0	0.00	0.00
30	218,551	0.30	867	1,474	70.1	0	0.00	433	0	0.00	0.00
31	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
	1,495,443	2.06				0	0.00		0	0.00	0.00
	4.6	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
0.20	1,064	40	101	4	1,267	47
0.26	1,347	50	128	5	1,604	60
0.19	1,005	38	81	3	1,708	64
0.19	1,005	38	81	3	1,708	64
0.17	895	34	72	3	1,522	57
0.21	1,093	41	88	3	1,858	70
0.24	1,255	47	101	4	2,134	80
0.30	1,554	58	126	5	2,641	99
0.30	1,581	59	128	5	2,688	101
0.00	0	0	0	0	0	0
2.06	10,799	13 Ave.	906	34 Total	17,130	642 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	34 lbs/acre	642 lbs/acre
Total	**143 lbs/acre**	**2,105 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	956	901	113.7	0	0.00	472	0	0.00	0.00
2	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
3	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
4	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
5	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
6	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
7	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
8	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
9	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
10	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
11	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
12	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
13	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
14	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
15	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
16	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
17	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
18	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
19	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
20	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
21	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
22	203,879	0.20	860	1,024	81.8	0	0.00	441	0	0.00	0.00
23	257,969	0.26	860	1,024	81.8	0	0.00	441	0	0.00	0.00
24	190,910	0.19	867	1,474	70.1	0	0.00	433	0	0.00	0.00
25	190,910	0.19	867	1,474	70.1	0	0.00	433	0	0.00	0.00
26	170,112	0.17	867	1,474	70.1	0	0.00	433	0	0.00	0.00
27	207,689	0.21	867	1,474	70.1	0	0.00	433	0	0.00	0.00
28	238,473	0.24	867	1,474	70.1	0	0.00	433	0	0.00	0.00
29	295,187	0.30	867	1,474	70.1	0	0.00	433	0	0.00	0.00
30	300,406	0.30	867	1,474	70.1	0	0.00	433	0	0.00	0.00
31	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
	2,055,534	2.06				0	0.00		0	0.00	0.00
	6.3	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
0.20	1,463	40	139	4	1,742	47
0.26	1,851	50	176	5	2,204	60
0.19	1,381	38	112	3	2,348	64
0.19	1,381	38	112	3	2,348	64
0.17	1,231	34	100	3	2,092	57
0.21	1,503	41	121	3	2,554	70
0.24	1,725	47	139	4	2,933	80
0.30	2,136	58	173	5	3,631	99
0.30	2,173	59	176	5	3,695	101
0.00	0	0	0	0	0	0
2.06	14,844	14 Ave.	1,248	34 Total	23,547	642 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	34 lbs/acre	642 lbs/acre
Total	117 lbs/acre	1,780 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	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
2	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
3	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
4	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
5	580,993	0.55	804	895	119.9	0	0.00	464	0	0.00	0.00
6	559,179	0.53	804	895	119.9	0	0.00	464	0	0.00	0.00
7	566,023	0.53	804	895	119.9	0	0.00	464	0	0.00	0.00
8	560,143	0.53	804	895	119.9	0	0.00	464	0	0.00	0.00
9	552,852	0.52	804	895	119.9	0	0.00	464	0	0.00	0.00
10	357,402	0.34	849	1,097	95.9	17,057	0.02	457	0	0.00	0.00
11	418,674	0.39	849	1,097	95.9	75,962	0.07	457	0	0.00	0.00
12	365,699	0.34	849	1,097	95.9	76,291	0.07	457	0	0.00	0.00
13	468,443	0.44	849	1,097	95.9	71,296	0.07	457	0	0.00	0.00
14	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
15	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
16	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
17	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
18	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
19	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
20	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
21	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
22	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
23	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
24	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
25	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
26	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
27	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
28	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
29	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
30	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
31	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
	4,429,409	4.17				240,605	0.23		0	0.00	0.00
	13.6	ac-ft				0.7	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	0.00	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	0.55	3,898	**100**	581	**15**	4,339	**111**
6	0.53	3,751	**96**	559	**14**	4,176	**107**
7	0.53	3,797	**97**	566	**14**	4,227	**108**
8	0.53	3,758	**96**	560	**14**	4,183	**107**
9	0.52	3,709	**95**	553	**14**	4,129	**106**
10	0.36	2,532	**65**	286	**7**	3,337	**85**
11	0.46	2,966	**76**	335	**9**	4,122	**105**
12	0.41	2,591	**66**	293	**7**	3,638	**93**
13	0.51	3,319	**85**	375	**10**	4,560	**117**
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**
	4.40	30,321	25 Ave.	4,108	105 Total	36,711	939 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	105 lbs/acre	939 lbs/acre
Total	**166 lbs/acre**	**1,698 lbs/acre**

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

LAND APPLICATION AREA:

Day	M.S. 18 Ch2 Settling Pond Effluent Applied (gal)	39.1 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)
1	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
2	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
3	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
4	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
5	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
6	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
7	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
8	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
9	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
10	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
11	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
12	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
13	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
14	373,258	0.35	849	1,097	95.9	64,685	0.06	457	0	0.00	0.00
15	390,090	0.37	849	1,097	95.9	56,171	0.05	457	0	0.00	0.00
16	307,323	0.29	849	1,097	95.9	44,449	0.04	457	0	0.00	0.00
17	284,925	0.27	860	1,024	81.8	36,370	0.03	441	0	0.00	0.00
18	291,374	0.27	860	1,024	81.8	28,426	0.03	441	0	0.00	0.00
19	293,769	0.28	860	1,024	81.8	0	0.00	441	0	0.00	0.00
20	290,781	0.27	860	1,024	81.8	0	0.00	441	0	0.00	0.00
21	286,901	0.27	860	1,024	81.8	0	0.00	441	0	0.00	0.00
22	217,211	0.20	860	1,024	81.8	0	0.00	441	0	0.00	0.00
23	274,839	0.26	860	1,024	81.8	0	0.00	441	0	0.00	0.00
24	203,395	0.19	867	1,474	70.1	0	0.00	433	0	0.00	0.00
25	203,395	0.19	867	1,474	70.1	0	0.00	433	0	0.00	0.00
26	181,236	0.17	867	1,474	70.1	0	0.00	433	0	0.00	0.00
27	221,270	0.21	867	1,474	70.1	0	0.00	433	0	0.00	0.00
28	254,068	0.24	867	1,474	70.1	0	0.00	433	0	0.00	0.00
29	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
30	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
31	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
	4,073,837	3.83				230,099	0.21		0	0.00	0.00
	12.5	ac-ft				0.7	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	0.00	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	0.00	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	0.41	2,644	68	299	8	3,663	94
15	0.42	2,764	71	312	8	3,785	97
16	0.33	2,177	56	246	6	2,983	76
17	0.30	2,045	52	194	5	2,568	66
18	0.30	2,091	53	199	5	2,594	66
19	0.28	2,108	54	201	5	2,510	64
20	0.27	2,087	53	198	5	2,485	64
21	0.27	2,059	53	196	5	2,451	63
22	0.20	1,559	40	148	4	1,856	47
23	0.26	1,972	50	188	5	2,348	60
24	0.19	1,471	38	119	3	2,502	64
25	0.19	1,471	38	119	3	2,502	64
26	0.17	1,311	34	106	3	2,229	57
27	0.21	1,601	41	129	3	2,722	70
28	0.24	1,838	47	149	4	3,125	80
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
	4.04	29,198	25 Ave.	2,803	72 Total	40,323	1031 Total

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	72 lbs/acre	1,031 lbs/acre
Total	**112 lbs/acre**	**1,566 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	455,337	0.52	956	901	113.7	0	0.00	472	0	0.00	0.00
2	445,500	0.51	956	901	113.7	0	0.00	472	0	0.00	0.00
3	445,544	0.51	956	901	113.7	0	0.00	472	0	0.00	0.00
4	578,054	0.66	804	895	119.9	0	0.00	464	0	0.00	0.00
5	479,951	0.55	804	895	119.9	0	0.00	464	0	0.00	0.00
6	461,930	0.53	804	895	119.9	0	0.00	464	0	0.00	0.00
7	467,584	0.53	804	895	119.9	0	0.00	464	0	0.00	0.00
8	462,727	0.53	804	895	119.9	0	0.00	464	0	0.00	0.00
9	456,704	0.52	804	895	119.9	0	0.00	464	0	0.00	0.00
10	295,245	0.34	849	1,097	95.9	14,090	0.02	457	0	0.00	0.00
11	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
12	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
13	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
14	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
15	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
16	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
17	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
18	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
19	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
20	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
21	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
22	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
23	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
24	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
25	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
26	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
27	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
28	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
29	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
30	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
31	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
	4,548,577	5.20				14,090	0.02		0	0.00	0.00
	14.0	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	0.52	3,632	112	432	13	3,423	106
2	0.51	3,554	110	423	13	3,349	104
3	0.51	3,554	110	423	13	3,350	104
4	0.66	3,878	120	578	18	4,317	134
5	0.55	3,220	100	480	15	3,584	111
6	0.53	3,099	96	462	14	3,450	107
7	0.53	3,137	97	468	14	3,492	108
8	0.53	3,104	96	463	14	3,456	107
9	0.52	3,064	95	457	14	3,411	106
10	0.36	2,092	65	236	7	2,756	85
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
	5.22	32,334	33 Ave.	4,422	137 Total	34,588	1071 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	137 lbs/acre	1,071 lbs/acre
Total	**210 lbs/acre**	**1,786 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)
1	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
2	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
3	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
4	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
5	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
6	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
7	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
8	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
9	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
10	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
11	345,861	0.39	849	1,097	95.9	62,751	0.07	457	0	0.00	0.00
12	302,100	0.34	849	1,097	95.9	63,023	0.07	457	0	0.00	0.00
13	386,974	0.44	849	1,097	95.9	58,897	0.07	457	0	0.00	0.00
14	308,343	0.35	849	1,097	95.9	53,435	0.06	457	0	0.00	0.00
15	322,249	0.37	849	1,097	95.9	46,402	0.05	457	0	0.00	0.00
16	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
17	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
18	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
19	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
20	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
21	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
22	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
23	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
24	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
25	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
26	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
27	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
28	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
29	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
30	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
31	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
	1,665,527	1.89				284,508	0.32		0	0.00	0.00
	5.1	ac-ft				0.9	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	0.00	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	0.00	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	0.46	2,450	76	277	9	3,405	105
12	0.41	2,140	66	242	7	3,006	93
13	0.51	2,741	85	310	10	3,767	117
14	0.41	2,184	68	247	8	3,026	94
15	0.42	2,283	71	258	8	3,127	97
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
	2.21	11,798	12 Ave.	1,334	41 Total	16,331	506 Total

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	41 lbs/acre	506 lbs/acre
Total	**41 lbs/acre**	**506 lbs/acre**

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

LAND APPLICATION AREA:

	M.S. 21	25.9	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	956	901	113.7	0	0.00	472	0	0.00	0.00	0.00	0	0	0	0	0	0
2	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	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00	0.00	0	0	0	0	0	0
4	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00	0.00	0	0	0	0	0	0
5	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00	0.00	0	0	0	0	0	0
6	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00	0.00	0	0	0	0	0	0
7	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00	0.00	0	0	0	0	0	0
8	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00	0.00	0	0	0	0	0	0
9	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00	0.00	0	0	0	0	0	0
10	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00	0.00	0	0	0	0	0	0
11	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00	0.00	0	0	0	0	0	0
12	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00	0.00	0	0	0	0	0	0
13	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00	0.00	0	0	0	0	0	0
14	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00	0.00	0	0	0	0	0	0
15	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00	0.00	0	0	0	0	0	0
16	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00	0.00	0	0	0	0	0	0
17	188,736	0.27	860	1,024	81.8	24,092	0.03	441	0	0.00	0.00	0.30	1,354	52	129	5	1,701	66
18	193,007	0.27	860	1,024	81.8	18,829	0.03	441	0	0.00	0.00	0.30	1,385	53	132	5	1,718	66
19	194,594	0.28	860	1,024	81.8	0	0.00	441	0	0.00	0.00	0.28	1,396	54	133	5	1,663	64
20	192,615	0.27	860	1,024	81.8	0	0.00	441	0	0.00	0.00	0.27	1,382	53	131	5	1,646	64
21	190,045	0.27	860	1,024	81.8	0	0.00	441	0	0.00	0.00	0.27	1,364	53	130	5	1,624	63
22	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00	0.00	0	0	0	0	0	0
23	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00	0.00	0	0	0	0	0	0
24	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00	0.00	0	0	0	0	0	0
25	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00	0.00	0	0	0	0	0	0
26	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00	0.00	0	0	0	0	0	0
27	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00	0.00	0	0	0	0	0	0
28	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00	0.00	0	0	0	0	0	0
29	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00	0.00	0	0	0	0	0	0
30	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00	0.00	0	0	0	0	0	0
31	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00	0.00	0	0	0	0	0	0
	958,996	1.36				42,921	0.06		0	0.00	0.00	1.42	6,881	9 Ave.	655	25 Total	8,352	322 Total
	2.9	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	0 lbs/acre	0 lbs/acre
August-12	14 lbs/acre	203 lbs/acre
September-12	25 lbs/acre	322 lbs/acre
Total	**39 lbs/acre**	**525 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)
1	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
2	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
3	0	0.00	956	901	113.7	0	0.00	472	0	0.00	0.00
4	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
5	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
6	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
7	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
8	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
9	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
10	730,343	0.34	849	1,097	95.9	34,855	0.02	457	0	0.00	0.00
11	855,552	0.39	849	1,097	95.9	155,226	0.07	457	0	0.00	0.00
12	747,299	0.34	849	1,097	95.9	155,898	0.07	457	0	0.00	0.00
13	957,252	0.44	849	1,097	95.9	145,693	0.07	457	0	0.00	0.00
14	762,744	0.35	849	1,097	95.9	132,181	0.06	457	0	0.00	0.00
15	797,141	0.37	849	1,097	95.9	114,784	0.05	457	0	0.00	0.00
16	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
17	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
18	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
19	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
20	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
21	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
22	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
23	0	0.00	860	1,024	81.8	0	0.00	441	0	0.00	0.00
24	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
25	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
26	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
27	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
28	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
29	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
30	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
31	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
	4,850,331	2.23				738,637	0.34		0	0.00	0.00
	14.9	ac-ft				2.3	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	0.00	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	0.00	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	0.36	5,174	65	584	7	6,818	85
11	0.46	6,061	76	685	9	8,424	105
12	0.41	5,294	66	598	7	7,435	93
13	0.51	6,782	85	766	10	9,318	117
14	0.41	5,404	68	610	8	7,486	94
15	0.42	5,647	71	638	8	7,735	97
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
	2.57	34,362	14 Ave.	3,881	49 Total	47,216	591 Total

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	49 lbs/acre	591 lbs/acre
Total	**144 lbs/acre**	**1,859 lbs/acre**

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

LAND APPLICATION AREA:

	M.S. 24 Cb2	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)
1	1,126,361	0.52	956	901	113.7	0	0.00	472	0	0.00	0.00
2	1,102,026	0.51	956	901	113.7	0	0.00	472	0	0.00	0.00
3	1,102,135	0.51	956	901	113.7	0	0.00	472	0	0.00	0.00
4	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
5	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
6	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
7	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
8	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
9	0	0.00	804	895	119.9	0	0.00	464	0	0.00	0.00
10	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
11	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
12	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
13	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
14	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
15	0	0.00	849	1,097	95.9	0	0.00	457	0	0.00	0.00
16	628,008	0.29	849	1,097	95.9	90,830	0.04	457	0	0.00	0.00
17	582,239	0.27	860	1,024	81.8	74,321	0.03	441	0	0.00	0.00
18	595,415	0.27	860	1,024	81.8	58,087	0.03	441	0	0.00	0.00
19	600,310	0.28	860	1,024	81.8	0	0.00	441	0	0.00	0.00
20	594,205	0.27	860	1,024	81.8	0	0.00	441	0	0.00	0.00
21	586,277	0.27	860	1,024	81.8	0	0.00	441	0	0.00	0.00
22	443,867	0.20	860	1,024	81.8	0	0.00	441	0	0.00	0.00
23	561,628	0.26	860	1,024	81.8	0	0.00	441	0	0.00	0.00
24	628,384	0.29	867	1,474	70.1	0	0.00	433	0	0.00	0.00
25	546,799	0.25	867	1,474	70.1	0	0.00	433	0	0.00	0.00
26	670,755	0.31	867	1,474	70.1	0	0.00	433	0	0.00	0.00
27	777,332	0.36	867	1,474	70.1	0	0.00	433	0	0.00	0.00
28	735,286	0.34	867	1,474	70.1	0	0.00	433	0	0.00	0.00
29	761,853	0.35	867	1,474	70.1	0	0.00	433	0	0.00	0.00
30	810,304	0.37	867	1,474	70.1	0	0.00	433	0	0.00	0.00
31	0	0.00	867	1,474	70.1	0	0.00	433	0	0.00	0.00
	12,853,183	5.92				223,238	0.10		0	0.00	0.00
	39.4	ac-ft				0.7	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)
0.52	8,985	112	1,069	13	8,468	106
0.51	8,791	110	1,046	13	8,285	104
0.51	8,792	110	1,046	13	8,286	104
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
0.33	4,449	56	503	6	6,095	76
0.30	4,178	52	397	5	5,249	66
0.30	4,273	53	406	5	5,301	66
0.28	4,308	54	410	5	5,129	64
0.27	4,264	53	406	5	5,077	64
0.27	4,207	53	400	5	5,010	63
0.20	3,185	40	303	4	3,793	47
0.26	4,030	50	383	5	4,799	60
0.29	4,546	57	368	5	7,729	97
0.25	3,956	50	320	4	6,725	84
0.31	4,853	61	392	5	8,250	103
0.36	5,624	70	455	6	9,561	120
0.34	5,320	67	430	5	9,044	113
0.35	5,512	69	446	6	9,371	117
0.37	5,862	73	474	6	9,966	125
0.00	0	0	0	0	0	0
6.02	95,135	40 Ave.	9,254	116 Total	126,138	1579 Total

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	116 lbs/acre	1,579 lbs/acre
Total	**215 lbs/acre**	**2,498 lbs/acre**

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # Ms 1 Technician: Sergio

Date: 9-15-12 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 **DURING**-Application Inspection Observations:

Field No: # ms1 Technician: Sergio

Date: 9/16/12 Weather: Cool 66°

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: Cool 66° 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: 9-17-12 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: # MS1 Technician: Sergio

Date: 9-18-12 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° 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: 9-19-12 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: # M31 Technician: Sergio

Date: 9-20-12 Weather: Cool 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: Cool 67° 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: # Ms1 Technician: Sergio

Date: 9-21-12 Weather: Cool 66

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: Cool 66° Wind 1mph SE
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: 9-22-12 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 looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # M5 1 Technician: Sergio

Date: 9-23-12 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° 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: 9-24-12 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: # Ms 1 Technician: Sergio

Date: 9-25-12 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 **DURING**-Application Inspection Observations:

Field No: # Ms1 Technician: Sergio

Date: 9-26-12 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: # 1 . Technician: Sergio

Date: 9-27-12 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, watered half of field

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # 213 Technician: Sergio

Date: 9/3/12 Weather: Sunny 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: Sunny 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: # 213 Technician: Sergio

Date: 9/4/12 Weather: Sunny/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: Sunny/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: # 213 Technician: Sergio

Date: 9-5-12 Weather: Sunny/warm 77°

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/warm 77° No wind
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 213 Technician: Sergio

Date: 9-6-12 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° 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: # 213 Technician: Sergio

Date: 9-7-12 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° Wind 2mph NE
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 213 Technician: Sergio

Date: 9-8-12 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 1mph NE
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 2/3 Technician: Sergio

Date: 9-9-12 Weather: Sunny 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: Sunny 75° 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: # 2/3 Technician: Sergio

Date: 9-10-12 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: # 2/3 Technician: Sergio

Date: 9-11-12 Weather: Warm 81°

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 81° No Wind
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 213 Technician: Sergio

Date: 9-12-12 Weather: Sunny 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: Sunny 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: # 213 Technician: Sergio

Date: 9-13-12 Weather: Sunny 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: Sunny 73° Wind 3mph WNW
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 2/3 Technician: Sergio

Date: 9-14-12 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: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 213 Technician: Sergio

Date: 9-15-12 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 **DURING**-Application Inspection Observations:

Field No: # 2/3 Technician: Sergio

Date: 9/16/12 Weather: Cool 66°

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: Cool 66° No wind
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 213 Technician: Sergio

Date: 9-17-12 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: # 2/3 Technician: Sergio

Date: 9-18-12 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° No wind
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 213 Technician: Sergio

Date: 9-19-12 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: # 213 Technician: Sergio

Date: 9/20/17 Weather: cool 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: Cool 67° 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: # 213 Technician: Sergio

Date: 9-21-12 Weather: Cool 66

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: Cool 66° wind 1mph SE
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 213 Technician: Sergio

Date: 9-22-12 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 looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **POST**-Application Inspection Observations:

Field No: # 213 . Technician: Sergio

Date: 9-23-12 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° No wind
14. Other observations: Grass Growing Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # 5 Technician: Sergio

Date: 9-21-12 Weather: cool 66°

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: Cool 66° Wind 1mph SE
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: 9-22-12 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: # MS 5 Technician: Sergio

Date: 9-23-12 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° 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: 9-24-12 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° 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: # M55 Technician: Sergio

Date: 9-25-12 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 5 Technician: Sergio

Date: 9-26-12 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 5 Technician: Sergio

Date: 9-27-12 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: 9-28-12 Weather: Cool 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: Cool 68° No wind
14. Other observations: Pasture watering good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # Ms 5 Technician: Sergio

Date: 9-29-12 Weather: Cool 66

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: Cool 66 2mph wind SE
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: 9-30-12 Weather: Cold 63°

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: Cold 63° No wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # 6 Technician: Sergio

Date: 9-26-12 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 4 Technician: Sergio

Date: 9-27-12 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: # Ms 6 Technician: Sergio

Date: 9-28-12 Weather: Cool 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: Cool 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: # M56 Technician: Sergio

Date: 9-29-12 Weather: Cool 66

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: Cool 66° 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: # Ms 6 Technician: Sergio

Date: 9-30-12 Weather: Cold 63°

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: Cold 63° no wind
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # 11 Technician: Sergio

Date: 9-21-12 Weather: Cool 66°

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: Cool 66° wind 1 mph SE
14. Other observations: Alfalfa looks good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 11 Technician: Sergio

Date: 9-22-12 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: _____

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # Ms 11 Technician: Sergio

Date: 9-23-12 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° 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 11 Technician: Sergio

Date: 9-24-12 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° wind 2mph NW
14. Other observations: Alfalfa looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 11 Technician: Sergio

Date: 9-25-12 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: Alfalfa looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # Ms 11 Technician: Sergio

Date: 9-26-12 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 **DURING**-Application Inspection Observations:

Field No: # MS 11 Technician: Sergio

Date: 9-27-12 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: Alfalfa looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **POST**-Application Inspection Observations:

Field No: # 11 . Technician: Sergio

Date: 9-28-12 Weather: Cool 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: Cool 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: #MS14 Technician: Sergio

Date: 9/1/12 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: # M514 Technician: Sergio

Date: 9/2/12 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 14 Technician: Sergio

Date: 9/3/12 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: # 141 Technician: Sergio

Date: 9-4-12 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 **POST**-Application Inspection Observations:

Field No: # 14 . Technician: Sergio

Date: 9-5-12 Weather: warm 77°

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 77° No wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # 14 Technician: Sergio

Date: 9-30-12 Weather: Cold 63°

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: Cold 63° No wind
14. Other observations: pasture looks good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # 15 Technician: Sergio

Date: 9-21-12 Weather: Cool 66°

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: Cool 66° wind 1mph SE
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: 9-22-12 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: # MS 15 Technician: Sergio

Date: 9-23-17 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 **DURING**-Application Inspection Observations:

Field No: # MS 15 Technician: Sergio

Date: 9-24-12 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° 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: # Ms 15 Technician: Sergio

Date: 9-25-12 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 15 Technician: Sergio

Date: 9-26-12 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: 9-27-12 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 15 Technician: Sergio

Date: 9-28-12 Weather: Cool 68°

1. Any evidence of erosion: yes / no (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 (yes) / no _____
5. Is there any soil saturation: yes / no (no) _____
6. Is there any ponding: yes / no (no) _____
7. Is there any potential runoff to off-site areas: yes / no (no) _____
8. Is there any potential and actual discharge to surface water: yes / no (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / no (no) _____
10. Is there any soil clogging: yes / no (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / no (no) _____
12. Are there any insects: yes / no (no) _____
13. Temperature and wind direction/strength: Cool 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: 9-29-12 Weather: Cool 66°

1. Any evidence of erosion: yes / no (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 (yes) / no _____
5. Is there any soil saturation: yes / no (no) _____
6. Is there any ponding: yes / no (no) _____
7. Is there any potential runoff to off-site areas: yes / no (no) _____
8. Is there any potential and actual discharge to surface water: yes / no (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / no (no) _____
10. Is there any soil clogging: yes / no (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / no (no) _____
12. Are there any insects: yes / no (no) _____
13. Temperature and wind direction/strength: Cool 68° 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 15 Technician: Sergio

Date: 9-30-12 Weather: Cold 63°

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: Cold 63° No wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # 16/17 Technician: Sergio

Date: 9-21-12 Weather: Cool 66°

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: Cool 66° Wind 1mph SE
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 16|17 Technician: Sergio

Date: 9-22-12 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: # 16117 Technician: Sergio

Date: 9-23-12 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° No Wind
14. Other observations: Pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 16117 Technician: Sergio

Date: 9-24-12 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° 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: # 16|17 Technician: Sergio

Date: 9-25-12 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: # 16117 Technician: Sergio

Date: 9-26-12 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: # 16/17 Technician: Sergio

Date: 9-27-12 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: # 16117 Technician: Sergio

Date: 9-28-12 Weather: Cool 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: Cool 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: # 16/17 Technician: Sergio

Date: 9-29-12 Weather: cool 66°

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: Cool 66° 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: # 16117 Technician: Sergio

Date: 9-30-12 Weather: Cold 63°

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: Cold 63° No wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # 18ch1 Technician: Sergio

Date: 9-4-12 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: # 18ch1 Technician: Sergio

Date: 9-5-12 Weather: Warm 77°

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 77° No Wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 18ch1 Technician: Sergio

Date: 9-6-12 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° wind 2mph NNE
14. Other observations: _____

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 18ch1 Technician: Sergio

Date: 9-7-12 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° wind 2mph NE
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 18ch1 Technician: Sergio

Date: 9-8-12 Weather: warm 80°

1. Any evidence of erosion: yes / no (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 (yes) / no _____
5. Is there any soil saturation: yes / no (no) _____
6. Is there any ponding: yes / no (no) _____
7. Is there any potential runoff to off-site areas: yes / no (no) _____
8. Is there any potential and actual discharge to surface water: yes / no (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / no (no) _____
10. Is there any soil clogging: yes / no (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / no (no) _____
12. Are there any insects: yes / no (no) _____
13. Temperature and wind direction/strength: warm 80° wind 1mph NE
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 18ch1 Technician: Sergio

Date: 9-9-12 Weather: Sunny 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: Sunny 75° 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: # 14ch1 Technician: Sergio

Date: 9-10-12 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: # 18ehl Technician: Sergio

Date: 9-11-12 Weather: warm 81°

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 81° No wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 18cn1 Technician: Sergio

Date: 9-12-12 Weather: Sunny 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: Sunny 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: # 18ch1 Technician: Sergio

Date: 9-13-12 Weather: Sunny 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: Sunny 73° wind 3mph NNW
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **POST**-Application Inspection Observations:

Field No: # 18ch1 Technician: Sergio

Date: 9-14-12 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 **PRE**-Application Inspection Observations:

Field No: # 18ch1 Technician: Sergio

Date: 9-30-12 Weather: Cold 63°

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: Cold 63° No wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # 18ch2 Technician: Sergio

Date: 9-13-12 Weather: Sunny 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: Sunny 73° 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: # 18ch2 Technician: Sergio

Date: 9-14-12 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: # 18ch2 Technician: Sergio

Date: 9-15-12 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: # 18ch2 Technician: Sergio

Date: 9-16-12 Weather: Cool 66°

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: Cool 66° No wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 18ch2 Technician: Sergio

Date: 9-17-12 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: # 18ch2 Technician: Sergio

Date: 9-18-12 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° No wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 18ch2 Technician: Sergio

Date: 9-19-12 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: # 18ch2 Technician: Sergio

Date: 9-20-12 Weather: Cool 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: Cool 67° 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: # 18ch2 Technician: Sergio

Date: 9-21-12 Weather: Cool 66°

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: Cool 66° wind 1mph SE
14. Other observations: pasture looks good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 18ch2 Technician: Sergio

Date: 9-22-12 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: # 18ch2 Technician: Sergio

Date: 9-23-12 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° No wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 18ch2 Technician: Sergio

Date: 9-24-12 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° 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: # 18ch2 Technician: Sergio

Date: 9-25-12 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: # 18ch2 Technician: Sergio

Date: 9-26-12 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: # 18ch2 Technician: Sergio

Date: 9-27-12 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: # 18ch2 Technician: Sergio

Date: 9-28-12 Weather: Cool 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: Cool 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: # 18ch2 Technician: Sergio

Date: 9-29-12 Weather: Cool 66°

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: Cool 66° 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 20ch1 Technician: Sergio

Date: 9/1/12 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 20cu1 Technician: Sergio

Date: 9/2/12 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°
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: 9/3/12 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 Looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 20ch1 Technician: Sergio

Date: 9-4-12 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: # 20ch1 Technician: Sergio

Date: 9-5-12 Weather: warm 77

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 77° No wind
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 20ch1 Technician: Sergio

Date: 9-6-12 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° 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: # 20ch1 Technician: Sergio

Date: 9-7-12 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° wind 2mph NE
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 20ch1 Technician: Sergio

Date: 9-8-12 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 1mph NE
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 20ch1 Technician: Sergio

Date: 9-9-12 Weather: Sunny 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: Sunny 75 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: # 20ch1 Technician: Sergio

Date: 9-10-12 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 **POST**-Application Inspection Observations:

Field No: # 20ch1 Technician: Sergio

Date: 9-11-12 Weather: warm 81°

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 81° No wind
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # 20ch2 Technician: Sergio

Date: 9-10-12 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: # 20ch2 Technician: Sergio

Date: 9-11-12 Weather: warm 81°

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 81° no wind
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 20ch2 Technician: Sergio

Date: 9-12-13 Weather: Sunny 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: Sunny 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: # 20ch2 Technician: Sergio

Date: 9-13-12 Weather: Sunny 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: Sunny 73° 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: # 20ch2 Technician: Sergio

Date: 9-14-12 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: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 20cw2 Technician: Sergio

Date: 9-15-12 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: # 20ch2 . Technician: Sergio

Date: 9-16-12 Weather: cool 66°

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: Cool 66° No wind
14. Other observations: Grass looks good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # 21 Technician: Sergio

Date: 9-16-12 Weather: Cool 66°

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: Cool 66° 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: 9-17-12 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: Alfalfa looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 21 Technician: Sergio

Date: 9-18-12 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° 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: 9-19-12 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 **DURING**-Application Inspection Observations:

Field No: # MS 21 Technician: Sergio

Date: 9-20-12 Weather: Cool 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: Cool 67° wind 2mph SE
14. Other observations: Alfalfa looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS21 Technician: Sergio

Date: 9-21-12 Weather: Cool 66

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: Cool 66° wind 1mph SE
14. Other observations: Alfalfa looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **POST**-Application Inspection Observations:

Field No: # 21 Technician: Sergio

Date: 9-22-12 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: Alfalfa looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # 24ch1 Technician: Sergio

Date: 9-9-12 Weather: Sunny 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: Sunny 75° Wind 7mph NW
14. Other observations: pasture looks Good Cows on Field

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily DURING-Application Inspection Observations:

Field No: # 24(h) Technician: Sergio

Date: 9-10-12 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: # 24ch1 Technician: Sergio

Date: 9-11-12 Weather: warm 81°

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 81° No wind
14. Other observations: pastere looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily DURING-Application Inspection Observations:

Field No: # 24ch1 Technician: Sergio

Date: 9-12-12 Weather: Sunny 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: Sunny 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: # 24ch1 Technician: Sergio

Date: 9-13-12 Weather: Sunny 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: Sunny 73° 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: # 24ch1 Technician: Sergio

Date: 9-14-12 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: # 24chi Technician: Sergio

Date: 9-15-12 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: # 24ch1 . Technician: Sergio

Date: 9-16-12 Weather: Cool 66°

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: Cool 66° 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: 9/1/12 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 24ch2 Technician: Sergio

Date: 9/2/12 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 24ch2 Technician: Sergio

Date: 9/3/12 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 **POST**-Application Inspection Observations:

Field No: # 24ch2 Technician: Sergio

Date: 9-4-12 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 **PRE**-Application Inspection Observations:

Field No: # 24ch2 Technician: Sergio

Date: 9-15-12 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 24ch2 Technician: Sergio

Date: 9-16-12 Weather: Cool 66°

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: Cool 66° No wind
14. Other observations: Pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 24ch2 Technician: Sergio

Date: 9-17-12 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: # 24ch2 Technician: Sergio

Date: 9-18-12 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: No wind Sunny 72°
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 24ch2 Technician: Sergio

Date: 9-19-12 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: # 24ch2 Technician: Sergio

Date: 9-20-12 Weather: Cool 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: Cool 67° 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: # 24ch2 Technician: Sergio

Date: 9-21-12 Weather: Cool 66

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: Cool 66 wind 1mph SE
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 24ch2 Technician: Sergio

Date: 9-22-12 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: # 24ch2 Technician: Sergio

Date: 9-23-12 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° No wind
14. Other observations: Pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 24 ch2 Technician: Sergio

Date: 9-24-12 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: # 24ah2 Technician: Sergio

Date: 9-25-12 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: # 24ch2 Technician: Sergio

Date: 9-26-12 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: # 24eh2 Technician: Sergio

Date: 9-27-12 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: # 24ch2 Technician: Sergio

Date: 9-28-12 Weather: Cool 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: Cool 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: # 24ch2 Technician: Sergio

Date: 9-29-12 Weather: Cool 66

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: Cool 66 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: # 24ch2 Technician: Sergio

Date: 9-30-12 Weather: Cold 63°

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: Cold 63° No Wind
14. Other observations: pasture looks Good