CLSA

Monitoring Report Submittal Transmittal Form

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

Staff: GC

Logged in as received: 11.04.2013 LC

Date reviewed: _____

Violations?: _____

Logged in as Reviewed: _____

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 2013

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

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

Annual Monitoring Report for the year _____

Violation Notification

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

1. The violations were:

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: (530)666-6600

Printed Name: ROSS OLIVEIRA Date: 10/30/13

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

30 October 2013

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

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

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

Time Period: September 1, 2013 to September 30, 2013, retrieved on October 12, 2013
Note: Only 85% of requested data were available from station COLUSA.A. See retrieval table.

DATE	OBS TIME	PRECIP AMOUNT & TYPE	AIR TEMPERATURE			WIND		ETo	SOL RAD	SOIL T		WX	RELATIVE HUMIDITY		BULB TEMP		PAN EVAP
			MAX	MIN	OBS	DD	SS			MAX	MIN		MAX	MIN	WET	DRY	
MM DD YYYY	HH:MM	(IN) *	(F) *		*		*	(IN) *	(LY) *	(F) *		*		*	(F)	*	(IN) *
09-01-2013	23:59	0.00	85	63		0	0		354	78	63		81.0	39.0			
09-02-2013	23:59	0.00	82	64		0	0		487	70	67		85.0	46.0			
09-03-2013	23:59	0.00	85	57		0	0		544	71	68		98.0	37.0			
09-04-2013	23:59	0.00	86	55		0	0		537	72	68		97.0	36.0			
09-05-2013	23:59	0.00	84	60		0	0		535	72	69		90.0	40.0			
09-06-2013	23:59	0.00	91	54		0	0		549	71	68		98.0	17.0			
09-07-2013	23:59	0.00	96	53		0	0		540	72	68		91.0	21.0			
09-08-2013	23:59	0.00	97	55		0	0		534	72	68		98.0	26.0			
09-09-2013	23:59	0.00	101	56		0	0		519	72	68		95.0	21.0			
09-10-2013	23:59	0.00	93	58		0	0		510	74	70		87.0	36.0			
09-11-2013	23:59	0.00	83	56		0	0		472	73	70		98.0	48.0			
09-12-2013	23:59	0.00	87	57		0	0		482	73	70		97.0	42.0			
09-13-2013	23:59	0.00	91	61		SE	4		470	74	70		91.6	38.4			
09-14-2013	23:59	0.00	89	59		SE	5		486	74	71		87.0	42.0			
09-15-2013	23:59	0.00	86	57		SE	6		503	74	71						
09-16-2013	23:59	0.00	86	54		SE	4		484	73	67		98.1	34.6			
09-17-2013	23:59	0.00	82	58		0	0		470	68	63		90.0	40.0			
09-18-2013	23:59	0.00	85	52		0	0		484	66	64		70.0	20.0			
09-19-2013	23:59	0.00	89	46		0	0		482	66	63		93.0	25.0			
09-20-2013	23:59	0.00	86	47		0	0		433	66	63		89.0	30.0			
09-21-2013	23:59	0.52	66	53		0	0		155	66	65		99.0	80.0			
09-22-2013	23:59	0.00	74	47		0	0		446	65	63		100.0	41.0			
09-23-2013	23:59	0.00	83	50		0	0		464	68	63		100.0	41.0			
09-24-2013	23:59	0.00	79	59		0	0		460	67	65		92.0	43.0			
09-25-2013	23:59	0.00	73	46		0	0		456	67	63		98.0	31.0			
09-26-2013	23:59	0.00	74	51		0	0		464	65	62		66.0	27.0			
09-27-2013	23:59	0.00	78	48		0	0		458	64	62		77.0	20.0			
09-28-2013	23:59	0.00	82	48		0	0		411	65	61		86.0	27.0			
09-29-2013	23:59	0.00	77	59		0	0		190	65	62		86.0	50.0			
09-30-2013	23:59	0.00	79	56		0	0		386	67	64		93.0	48.0			

30 records listed

The Morning Star Packing Company
General Pond Monitoring
2013

Cooling Pond TDS and EC Results from 7/15/2013

EC	570 umhos/cm
TDS	340 mg/l
TDS/EC Ratio	0.60

Cooling Pond Monitoring

Date	pH	Freeboard (ft)	DO mg/l	EC umhos/cm	TDS[1] mg/l	Levee Condition	Water Color	Odors
9/2/13	7.33	3.00	1.3	567	338	Good	Blue/Green	None
9/9/13	7.33	2.92	1.2	566	338	Good	Blue/Green	None
9/16/13	7.49	2.92	1.1	566	337	Good	Blue/Green	None
9/23/13	7.20	2.92	1.6	570	340	Good	Blue/Green	None
9/30/13	7.22	2.83	1.2	578	345	Good	Blue/Green	None
Average	**7.31**	**2.92**	**1.3**	**569**	**340**			

[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
9/2/13	5.75	3.25	2.0	945	Good	Brown/Red	Minimal Tomato
9/9/13	6.04	3.42	2.8	1,063	Good	Brown/Red	Minimal Tomato
9/16/13	5.95	3.42	3.5	1,095	Good	Brown/Red	Minimal Tomato
9/23/13	6.62	3.50	6.1	1,096	Good	Brown/Red	Minimal Tomato
9/30/13	5.60	3.50	4.1	1,098	Good	Brown/Red	Minimal Tomato
Average	**5.99**	**3.42**	**3.7**	**1,059**			

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
9/2/13	6.05	910	877	635	1.2	325	3.4	14.8	84.5
9/9/13	4.78	1,180	940	650	2.2	407	2.3	9.9	112.0
9/16/13	4.48	1,140	910	680	0.0	345	3.8	16.8	61.6
9/23/13	5.20	1,215	1,140	735	0.0	415	0.0	0.0	88.4
9/30/13	6.20	1,115	1,040	678	0.0	340	0.0	0.0	104.4
Average	**5.34**	**1,112**	**981**	**676**	**0.7**	**366**	**1.9**	**8.3**	**90.2**

MORNING STAR

"Excellence Through Commitment"

Field Log: CP/SP # 36 Technician: Sergio

Date: 9/2/13 Weather: Cloudy 76°

COOLING POND

pH: 7.33 EC: 566.9 µmhos/cm Temp: 33.0 °C ____ °F

Freeboard: 36 inches Time: 0710 (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 working

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

SETTLING POND

pH: 5.75 EC: 944.7 µmhos/cm Temp: 28.6 °C ____ °F

Freeboard: 39 inches Time: 0715 (0700-0900 hours)

HQ10 Hach Portable LDO Dissolved Oxygen Meter (Probe) RESULT: 2.0

Levee Condition: Good

Water Color: Brown / RED

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

Other Observations: Aerator not working

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

MORNING STAR

"Excellence Through Commitment"

Field Log: CP/SP # 37 Technician: Sergio

Date: 9/9/13 Weather: Sunny 100°

COOLING POND

pH: 7.33 EC: 5(do.) µmhos/cm Temp: 34.7 °C ____ °F

Freeboard: 35 inches Time: 0845 (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 working

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

SETTLING POND

pH: 6.04 EC: 1063 µmhos/cm Temp: 30.4 °C ____ °F

Freeboard: 41 inches Time: 0850 (0700-0900 hours)

HQ10 Hach Portable LDO Dissolved Oxygen Meter (Probe) RESULT: 2.8

Levee Condition: GOOD

Water Color: Brown / RED

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

Other Observations: Aerator working

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

MORNING STAR

"Excellence Through Commitment"

Field Log: CP/SP # 38 Technician: Sergio

Date: 9/16/13 Weather: Sunny 87°

COOLING POND

pH: 7.49 EC: 565.8 µmhos/cm Temp: 31.5 °C ____ °F

Freeboard: 35 inches Time: 0815 (0700-0900 hours)

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

Levee Condition: GOOD

Water Color: BLUE / GREEN

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

Other Observations: Moss screen running

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

SETTLING POND

pH: 5.95 EC: 1095 µmhos/cm Temp: 30.5 °C ____ °F

Freeboard: 41 inches Time: 0820 (0700-0900 hours)

HQ10 Hach Portable LDO Dissolved Oxygen Meter (Probe) RESULT: 3.5

Levee Condition: GOOD

Water Color: Brown / RED

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

Other Observations: Aerator Working

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

MORNING STAR

"Excellence Through Commitment"

Field Log: CP/SP # 39 Technician: Sergio

Date: 9/23/13 Weather: Sunny 81°

COOLING POND

pH: 7.20 EC: 570.1 µmhos/cm Temp: 26.4 °C ____ °F

Freeboard: 35 inches Time: 0813 (0700-0900 hours)

HQ10 Hach Portable LDO Dissolved Oxygen Meter (Probe) RESULT: 1.6

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: 6.62 EC: 1096 µmhos/cm Temp: 20.9 °C ____ °F

Freeboard: 42 inches Time: 0750 (0700-0900 hours)

HQ10 Hach Portable LDO Dissolved Oxygen Meter (Probe) RESULT: 6.1

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 # 40 Technician: Sergio

Date: 9/30/13 Weather: Cloudy 77°

COOLING POND

pH: 7.22 EC: 5781 µmhos/cm Temp: 27.7 °C ____ °F

Freeboard: 34 inches Time: 0705 (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: NA Characteristics: N/A

Other Observations: Moss screen running

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

SETTLING POND

pH: 5.60 EC: 1098 µmhos/cm Temp: 22.9 °C ____ °F

Freeboard: 42 inches Time: 0710 (0700-0900 hours)

HQ10 Hach Portable LDO Dissolved Oxygen Meter (Probe) RESULT: 4.1

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.

Nachtmann Analytical Laboratory, Inc.

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

Analytical Laboratory Report

State DHS Cert. # 1419

Client:
The Morning Star Packing Company.
2211 Old HWY 99
Williams. CA. 95987
Attn: Ross Oliveira

CC:
Liberty Packing Co.
12045 South Ingmar Grade RD.
Los Banos. CA. 93685
Attn: Mike Oliveira

Sample ID # : Settling Pond
Sample Matrix: Effluent
Sampling Date: 9/2/2013
Date Received : 9/2/2013
Sampled By : Client
Sample Lab. ID # : 09022013

Date Reporting : 9/7/2011

Analyte	Method #	RL(mg/l)	Sample Results(mg/l)
Settling Pond			
PH	SM 4500-H B	1-14	6.05
EC	SM 2510-B	1.0 umhos/cm	910.umhos/cm
Total Dissolved Solid (TDS)	SM 2540-D	5.0	877.
Fixed Dissolved Solid (FDS)	SM 2540-E	5.0	635.
Settleable Solid	SM 2540-F	1.0ml/l/hr	1.2
(BOD) 5-day	SM 5210-B	0.2	325.
Nitrate as Nitrogen(N-NO3)	SM 4500-NO3E	0.10	3.35
Nitrate (NO3)	SM 4500-NO3E	0.4	14.8
Total Kjeldahl Nitrogen (TKN)	SM 4500-N C	1.0	84.5

Reference : Std. Methods for Examination for Water & Wastewater. 20th Ed. 1998
RL : Reporting Limits
ND : Not Detected below 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: The Morning Star Co.
ADDRESS: 2211 old Hwy 99 Williams CA 95987
PHONE: 530 473 3600
PROJECT NAME/SITE: Morning Star
SAMPLER: Sergio Cervantes
DATE: 9/2/13

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

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

ANALYSIS REQUESTED

SAMPLE ID# STATION	SAMPLE DESCRIPTION	NUMBER OF CONT	TYPE CONT.	SAMPLING TIME/DATE	REMARKS	SAMPLE NUMBER
SP1	Settling Pond 1	1	BT	0715/9-2-13		
SP2	Settling Pond 2	1	BT	0716/9-2-13		

RELINQUISHED BY	DATE	TIME	RECEIVED BY	
Sergio Cervantes	9-2-13	0830	[signature] 9/2/13	TRAVEL TIME:
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	ON SITE TIME:
RELINQUISHED BY:	DATE:	TIME:	RECEIVED IN LAB BY:	OTHER:

	YES	NO
WERE SAMPLES PRESERVED?		
IN GOOD CONDITION?		

Nachtmann Analytical Laboratory, Inc.

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

Analytical Laboratory Report

State DHS Cert. # 1419

Client:
The Morning Star Packing Company.
2211 Old HWY 99
Williams, CA. 95987
Attn: Ross Oliveira

CC:
Liberty Packing Co.
12045 South Ingmar Grade RD.
Los Banos, CA. 93685
Attn: Mike Oliveira

Sample ID # : Settling Pond
Sample Matrix: Effluent
Sampling Date: 9/9/2013
Date Received : 9/9/2013
Sampled By : Client
Sample Lab. ID # : 09092013

Date Reporting : 9/18/2011

Analyte	Method #	RL(mg/l)	Sample Results(mg/l)
Settling Pond			
PH	SM 4500-H B	1-14	4.78
EC	SM 2510-B	1.0 umhos/cm	1180.umhos/cm
Total Dissolved Solid (TDS)	SM 2540-D	5.0	940.
Fixed Dissolved Solid (FDS)	SM 2540-E	5.0	650.
Settleable Solid	SM 2540-F	1.0ml/l/hr	2.20
(BOD) 5-day	SM 5210-B	0.2	407.
Nitrate as Nitrogen(N-NO3)	SM 4500-NO3E	0.10	2.25
Nitrate (NO3)	SM 4500-NO3E	0.4	9.94
Total Kjeldahl Nitrogen (TKN)	SM 4500-N C	1.0	112.0

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

The Analysis of Drinking Water: Effluent, Discharge, for Microbiology, Organics & Inorganics, Priority Pollutants for Federal & State Agencies, Permittees

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

CHAIN OF CUSTODY REPORT

CLIENT: The Morning Star Co
ADDRESS: 2211 old Hwy 99
Williams CA. 95987
PHONE: 530 473 3600
PROJECT NAME/SITE: Morning Star
SAMPLER: Sergio Cervantes
DATE: 9/9/13

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

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

ANALYSIS REQUESTED

SAMPLE ID#/ STATION	SAMPLE DESCRIPTION	NUMBER OF CONT.	TYPE CONT	SAMPLING TIME/DATE	REMARKS	SAMPLE NUMBER
SP1	Settling Pond 1	1	BTL	0855 / 9-9-13	Waste Water	
SP2	Settling Pond 2	1	BTL	0855 / 9-9-13	Discharge	

RELINQUISHED BY: Sergio Cervantes — DATE: 9/9/13 TIME: 12:00
RECEIVED BY: [signature] 9/9/13
RELINQUISHED BY: — DATE: — TIME: —
RECEIVED BY: —
RELINQUISHED BY: — DATE: — TIME: —
RECEIVED IN LAB BY: —

TRAVEL TIME:
ON SITE TIME:
OTHER:

	YES	NO
WERE SAMPLES PRESERVED?		
IN GOOD CONDITION?		

Nachtmann Analytical Laboratory, Inc.

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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: Ross Oliveira

Date Reporting : 9/23/2011

CC:
Liberty Packing Co.
12045 South Ingmar Grade RD.
Los Banos. CA. 93685
Attn: Mike Oliveira

Sample ID # : Settling Pond
Sample Matrix: Effluent
Sampling Date: 9/16//2013
Date Received : 9/16/2013
Sampled By : Client
Sample Lab. ID # : 09022013

Analyte	Method #	RL(mg/l)	Sample Results(mg/l)
Settling Pond			
PH	SM 4500-H B	1-14	4.48
EC	SM 2510-B	1.0 umhos/cm	1140.umhos/cm
Total Dissolved Solid (TDS)	SM 2540-D	5.0	910.
Fixed Dissolved Solid (FDS)	SM 2540-E	5.0	680.
Settleable Solid	SM 2540-F	1.0ml/l/hr	< 1.00
(BOD) 5-day	SM 5210-B	0.2	345.
Nitrate as Nitrogen(N-NO3)	SM 4500-NO3E	0.10	3.80
Nitrate (NO3)	SM 4500-NO3E	0.4	16.8
Total Kjeldahl Nitrogen (TKN)	SM 4500-N C	1.0	61.6

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

Nachtmann Analytical Laboratory, Inc.

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

CHAIN OF CUSTODY REPORT

CLIENT: The Morning Star Co.
ADDRESS: 2241 old Hwy 99
Williams CA 95987
PHONE: 530 (473)-3600
PROJECT NAME/SITE: Morning star
SAMPLER: Sergio Cervantes
DATE: 9/16/13

REPORT TO:
BILLING TO
PO#/BILLING REFERENCE:

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

ANALYSIS REQUESTED

SAMPLE ID/ STATION	SAMPLE DESCRIPTION	NUMBER OF CONT	TYPE CONT.	SAMPLING TIME/DATE	REMARKS	SAMPLE NUMBER
SP1	Settling Pond 1	1	BTL	0830 / 9/16/13	Waste Water	
SP2	Settling pond 2	1	BTL	0835 / 9/16/13	Discharge	

RELINQUISHED BY: Sergio Cervantes
DATE: 9/16/13 TIME: 09:45
RECEIVED BY: 9/16/13
TRAVEL TIME:
ON SITE TIME:
OTHER:

RELINQUISHED BY:
DATE: TIME:
RECEIVED BY:

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

	YES	NO
WERE SAMPLES:		
PRESERVED?		
IN GOOD CONDITION?		

Nachtmann Analytical Laboratory, Inc.

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Analytical Laboratory Report

State DHS Cert # 1419

Client:
The Morning Star Packing Company.
2211 Old HWY 99
Williams, CA. 95987
Attn: Ross Oliveira

CC:
Liberty Packing Co.
12045 South Ingmar Grade RD.
Los Banos. CA. 93685
Attn: Mike Oliveira

Sample ID # : Settling Pond
Sample Matrix: Effluent
Sampling Date: 9/23//2013
Date Received : 9/23/2013
Sampled By : Client
Sample Lab. ID # : 09232013

Date Reporting : 9/28/2011

Analyte	Method #	RL(mg/l)	Sample Results(mg/l)
Settling Pond			
PH	SM 4500-H B	1-14	5.20
EC	SM 2510-B	1.0 umhos/cm	1215..umhos/cm
Total Dissolved Solid (TDS)	SM 2540-D	5.00	1140.
Fixed Dissolved Solid (FDS)	SM 2540-E	5.00	735.
Settleable Solid	SM 2540-F	1.0ml/l/hr	< 1.00
(BOD) 5-day	SM 5210-B	0.20	415.
Nitrate as Nitrogen(N-NO3)	SM 4500-NO3E	0.10	< 0.05
Nitrate (NO3)	SM 4500-NO3E	0.40	< 0.20
Total Kjeldahl Nitrogen (TKN)	SM 4500-N C	1.00	88.4

Reference	:	Std. Methods for Examination for Water & Wastewater, 20th Ed. 1998
RL	:	Reporting Limits
ND	:	Not Detected below 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: The Morning Star tomato co.
ADDRESS: 2214 old Hwy 99
Williams CA 95987
PHONE: (530) 473 3600
PROJECT NAME/SITE: Morning Star
SAMPLER: Sergio Cervantes
DATE: 9/23/13

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

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

ANALYSIS REQUESTED

SAMPLE ID# STATION	SAMPLE DESCRIPTION	NUMBER OF CONT	TYPE CONT	SAMPLING TIME	DATE	REMARKS	SAMPLE NUMBER
SP1	Settling pond 1	1	BTL	0750	9/23/13		
SP2	Settling pond 2	1	BTL	0753	9/23/13		

RELINQUISHED BY	DATE	TIME	RECEIVED BY
Sergio Cervantes	9/23/13	0930	[signature] 9/23/13
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
RELINQUISHED BY:	DATE:	TIME	RECEIVED IN LAB BY:

TRAVEL TIME:
ON SITE TIME:
OTHER:

	YES	NO
WERE SAMPLES PRESERVED?		
IN GOOD CONDITION?		

Nachtmann Analytical Laboratory, Inc.

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

RECEIVED OCT 18 2013 By

Analytical Laboratory Report

State DHS Cert. # 1419

RECEIVED OCT 18 2013 By

Client:
The Morning Star Packing Company.
2211 Old HWY 99
Williams, CA. 95987
Attn: Ross Oliveira

CC:
Liberty Packing Co.
12045 South Ingmar Grade RD.
Los Banos, CA. 93685
Attn: Mike Oliveira

Sample ID # : Settling Pond
Sample Matrix: Effluent
Sampling Date: 9/30//2013
Date Received : 9/30/2013
Sampled By : Client
Sample Lab. ID # : 09302013

Date Reporting : 10/12/2011

Analyte	Method #	RL(mg/l)	Sample Results(mg/l)
Settling Pond			
PH	SM 4500-H B	1-14	6.20
EC	SM 2510-B	1.0 umhos/cm	1115..umhos/cm
Total Dissolved Solid (TDS)	SM 2540-D	5.00	1040.
Fixed Dissolved Solid (FDS)	SM 2540-E	5.00	678.
Settleable Solid	SM 2540-F	1.0ml/l/hr	< 1.00
(BOD) 5-day	SM 5210-B	0.20	340.
Nitrate as Nitrogen(N-NO3)	SM 4500-NO3E	0.10	< 0.05
Nitrate (NO3)	SM 4500-NO3E	0.40	< 0.20
Total Kjeldahl Nitrogen (TKN)	SM 4500-N C	1.00	104.4

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

APPROVED FOR PAYMENT
SIGNATURE _____ DATE _____
PROJECT CODE SN - S N - $
DESCRIPTION

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: The morning star tomato co.
ADDRESS: 2211 old Hwy 99 Williams CA 95987
PHONE: 530 473 3600
PROJECT NAME/SITE: Morning Star
SAMPLER: Sergio Cervantes
DATE: 9/30/13

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

SAMPLE ID#/ STATION	SAMPLE DESCRIPTION	NUMBER OF CONT.	TYPE CONT.	SAMPLING TIME/DATE	ANALYSIS REQUESTED	REMARKS	SAMPLE NUMBER
SP1	Settling Pond 1	1	BTL	0750/9/30/13	Waste Water Discharge		
SP2	Settling Pond 2	1	BTL	0751/9/30/13			

RELINQUISHED BY: Sergio Cervantes — DATE: 9/30/13 TIME: 0930 — RECEIVED BY: [signature]
RELINQUISHED BY: — DATE: — TIME: — RECEIVED BY:
RELINQUISHED BY: — DATE: — TIME: — RECEIVED IN LAB BY:

TRAVEL TIME:
ON SITE TIME:
OTHER:

	YES	NO
WERE SAMPLES: PRESERVED?		
IN GOOD CONDITION?		

The Morning Star Packing Company
Washwater and Fresh Water Flows to Fields
September-13

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
9/1/13	15min. Intervals	1,072	1,543,713			1,730	2,491,308	
9/2/13	15min. Intervals	1,127	1,623,570			1,766	2,543,452	
9/3/13	15min. Intervals	1,044	1,502,947			1,690	2,433,684	
9/4/13	15min. Intervals	1,076	1,550,034			1,621	2,333,927	
9/5/13	15min. Intervals	1,208	1,739,536			1,593	2,294,193	
9/6/13	15min. Intervals	1,717	2,471,868			1,678	2,415,724	
9/7/13	15min. Intervals	1,497	2,155,785			1,461	2,104,037	
9/8/13	15min. Intervals	1,410	2,029,817			1,334	1,920,511	
9/9/13	15min. Intervals	1,558	2,243,848			1,522	2,192,305	
9/10/13	15min. Intervals	1,544	2,223,500			1,469	2,115,194	
9/11/13	15min. Intervals	1,590	2,289,819			1,528	2,199,954	
9/12/13	15min. Intervals	1,446	2,082,639			1,423	2,049,020	
9/13/13	15min. Intervals	1,414	2,036,802			1,467	2,112,307	
9/14/13	15min. Intervals	1,489	2,143,444			1,499	2,158,507	
9/15/13	15min. Intervals	1,483	2,136,205			1,441	2,075,177	
9/16/13	15min. Intervals	1,381	1,989,299			1,423	2,049,072	
9/17/13	15min. Intervals	1,421	2,045,641			1,419	2,043,173	
9/18/13	15min. Intervals	1,447	2,084,215			1,450	2,087,978	
9/19/13	15min. Intervals	1,490	2,145,846			1,497	2,155,451	
9/20/13	15min. Intervals	1,506	2,168,902			1,490	2,146,021	
9/21/13	15min. Intervals	1,335	1,922,794			1,565	2,252,968	
9/22/13	15min. Intervals	491	706,690			868	1,249,930	
9/23/13	15min. Intervals	571	821,575			1,017	1,464,676	
9/24/13	15min. Intervals	875	1,259,763			1,158	1,667,916	
9/25/13	15min. Intervals	855	1,230,888			1,159	1,669,380	
9/26/13	15min. Intervals	849	1,222,301			1,175	1,691,961	
9/27/13	15min. Intervals	1,101	1,585,934			1,383	1,991,106	
9/28/13	15min. Intervals	1,535	2,209,927			1,668	2,402,637	
9/29/13	15min. Intervals	1,818	2,618,500			1,892	2,724,408	
9/30/13	15min. Intervals	1,452	2,091,316			1,445	2,080,506	
Average		1,293	1,862,571			1,461	2,103,883	
Minimum		491	706,690			868	1,249,930	
Maximum		1,818	2,618,500			1,892	2,724,408	

[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	491	483	122	0	0.00	341	0	0.00	0.00
2	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00
3	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00
4	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00
5	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00
6	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00
7	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00
8	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00
9	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00
10	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00
11	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00
12	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00
13	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00
14	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00
15	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00
16	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00
17	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00
18	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00
19	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00
20	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00
21	1,000,149	0.39	359	655	89.2	0	0.00	338	0	0.00	0.00
22	554,875	0.22	359	655	89.2	0	0.00	338	0	0.00	0.00
23	650,207	0.25	389	688	89.4	0	0.00	338	0	0.00	0.00
24	740,430	0.29	389	688	89.4	0	0.00	338	0	0.00	0.00
25	741,080	0.29	389	688	89.4	0	0.00	338	0	0.00	0.00
26	621,804	0.24	389	688	89.4	0	0.00	338	0	0.00	0.00
27	731,741	0.28	389	688	89.4	0	0.00	338	0	0.00	0.00
28	882,981	0.34	389	688	89.4	0	0.00	338	0	0.00	0.00
29	1,479,810	0.57	389	688	89.4	0	0.00	338	0	0.00	0.00
30	1,130,063	0.44	367	698	86.1	0	0.00	340	0	0.00	0.00
31	0	0.00	367	698	86.1	0	0.00	340	0	0.00	0.00
	8,533,140	**3.31**				**0**	**0.00**		**0**	**0.00**	**0.00**
	26.2	**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**
0.39	2,996	**32**	744	**8**	5,466	**58**
0.22	1,662	**17**	413	**4**	3,033	**32**
0.25	2,111	**22**	485	**5**	3,733	**39**
0.29	2,403	**25**	552	**6**	4,251	**45**
0.29	2,406	**25**	553	**6**	4,255	**45**
0.24	2,018	**21**	464	**5**	3,570	**38**
0.28	2,375	**25**	546	**6**	4,201	**44**
0.34	2,866	**30**	659	**7**	5,069	**53**
0.57	4,803	**51**	1,104	**12**	8,496	**89**
0.44	3,461	**36**	812	**9**	6,582	**69**
0.00	0	**0**	0	**0**	0	**0**
3.31	**27,101**	**9 Ave.**	**6,332**	**67 Total**	**48,656**	**512 Total**

Irrigation Cycle Start Date: **9/21/13**
Irrigation Cycle End Date:
BOD Applied: **284**
Cycle Average BOD: **0**

Cumulative Loading Calculations

	Nitrogen	TDS
Commercial Applications		
July-13	0 lbs/acre	0 lbs/acre
August-13	0 lbs/acre	0 lbs/acre
September-13	67 lbs/acre	512 lbs/acre
Total	**67 lbs/acre**	**512 lbs/acre**

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

LAND APPLICATION AREA:

	M.S. 2 & 3	82.1	acres								
Day	Settling Pond Effluent Applied (gal)	Settling Pond Effluent Applied (in)	BOD Ave. Applied (mg/l)	TDS Ave. Applied (mg/l)	Nitrogen Ave. Applied (mg/l)	Cooling Pond Effluent Applied (gal)	Cooling Pond Effluent Applied (in)	TDS Ave. Applied (mg/l)	Fresh Irrigation (gal)	Fresh Irrigation (in)	Rainfall (in)
1	800,221	0.36	491	483	122.4	0	0.00	341	0	0.00	0.00
2	903,972	0.41	349	678	99.0	0	0.00	340	0	0.00	0.00
3	864,959	0.39	349	678	99.0	0	0.00	340	0	0.00	0.00
4	829,504	0.37	349	678	99.0	0	0.00	340	0	0.00	0.00
5	815,382	0.37	349	678	99.0	0	0.00	340	0	0.00	0.00
6	1,042,750	0.47	349	678	99.0	0	0.00	340	0	0.00	0.00
7	908,209	0.41	349	678	99.0	0	0.00	340	0	0.00	0.00
8	828,990	0.37	349	678	99.0	0	0.00	340	0	0.00	0.00
9	946,310	0.42	336	681	94.5	0	0.00	338	0	0.00	0.00
10	975,056	0.44	336	681	94.5	0	0.00	338	0	0.00	0.00
11	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00
12	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00
13	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00
14	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00
15	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00
16	894,358	0.40	359	655	89.2	0	0.00	338	0	0.00	0.00
17	891,784	0.40	359	655	89.2	0	0.00	338	0	0.00	0.00
18	911,340	0.41	359	655	89.2	0	0.00	338	0	0.00	0.00
19	940,789	0.42	359	655	89.2	0	0.00	338	0	0.00	0.00
20	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00
21	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00
22	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00
23	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00
24	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00
25	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00
26	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00
27	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00
28	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00
29	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00
30	0	0.00	367	698	86.1	0	0.00	340	0	0.00	0.00
31	0	0.00	367	698	86.1	0	0.00	340	0	0.00	0.00
	12,553,623	5.64				0	0.00		0	0.00	0.00
	38.5 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)
0.36	3,279	**40**	817	**10**	3,225	**39**
0.41	2,633	**32**	747	**9**	5,114	**62**
0.39	2,519	**31**	715	**9**	4,894	**60**
0.37	2,416	**29**	685	**8**	4,693	**57**
0.37	2,375	**29**	674	**8**	4,613	**56**
0.47	3,037	**37**	861	**10**	5,899	**72**
0.41	2,645	**32**	750	**9**	5,138	**63**
0.37	2,414	**29**	685	**8**	4,690	**57**
0.42	2,653	**32**	746	**9**	5,377	**65**
0.44	2,734	**33**	769	**9**	5,541	**67**
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**
0.40	2,679	**33**	666	**8**	4,888	**60**
0.40	2,671	**33**	664	**8**	4,874	**59**
0.41	2,730	**33**	678	**8**	4,981	**61**
0.42	2,818	**34**	700	**9**	5,142	**63**
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**
5.64	37,603	**15 Ave.**	10,157	**124 Total**	69,069	**841 Total**

Irrigation Cycle Start Date:	**8/11/13**	Irrigation Cycle Start Date:	**9/1/13**
Irrigation Cycle End Date:	**8/31/13**	Irrigation Cycle End Date:	**9/15/13**
BOD Applied:	**852**	BOD Applied:	**324**
Cycle Average BOD:	**43**	Cycle Average BOD:	**23**

Cumulative Loading Calculations	Nitrogen	TDS
Commercial Applications		
July-13	58 lbs/acre	360 lbs/acre
August-13	102 lbs/acre	655 lbs/acre
September-13	124 lbs/acre	841 lbs/acre
Total	**284 lbs/acre**	**1,856 lbs/acre**

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

LAND APPLICATION AREA:

	M.S. 5	24.6	acres															
													Hydraulic Loading	BOD Loading		Nitrogen Loading		TDS Loading	
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)			Total Weight (lbs/day)	Loading Applied (lbs/ac/day)	Total (lbs/day)	Applied (lbs/ac/month)	Total (lbs/day)	Applied (lbs/ac/month)
1	239,774	0.36	491	483	122.4	0	0.00	341	0	0.00	0.00		0.36	982	40	245	10	966	39
2	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00		0.00	0	0	0	0	0	0
3	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00		0.00	0	0	0	0	0	0
4	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00		0.00	0	0	0	0	0	0
5	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00		0.00	0	0	0	0	0	0
6	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00		0.00	0	0	0	0	0	0
7	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00		0.00	0	0	0	0	0	0
8	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00		0.00	0	0	0	0	0	0
9	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00		0.00	0	0	0	0	0	0
10	292,160	0.44	336	681	94.5	0	0.00	338	0	0.00	0.00		0.44	819	33	230	9	1,660	67
11	465,338	0.70	336	681	94.5	0	0.00	338	0	0.00	0.00		0.70	1,305	53	367	15	2,644	107
12	652,926	0.98	336	681	94.5	0	0.00	338	0	0.00	0.00		0.98	1,831	74	515	21	3,710	151
13	330,342	0.49	336	681	94.5	0	0.00	338	0	0.00	0.00		0.49	926	38	260	11	1,877	76
14	337,567	0.51	336	681	94.5	0	0.00	338	0	0.00	0.00		0.51	946	38	266	11	1,918	78
15	324,535	0.49	336	681	94.5	0	0.00	338	0	0.00	0.00		0.49	910	37	256	10	1,844	75
16	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00		0.00	0	0	0	0	0	0
17	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00		0.00	0	0	0	0	0	0
18	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00		0.00	0	0	0	0	0	0
19	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00		0.00	0	0	0	0	0	0
20	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00		0.00	0	0	0	0	0	0
21	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00		0.00	0	0	0	0	0	0
22	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00		0.00	0	0	0	0	0	0
23	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00		0.00	0	0	0	0	0	0
24	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00		0.00	0	0	0	0	0	0
25	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00		0.00	0	0	0	0	0	0
26	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00		0.00	0	0	0	0	0	0
27	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00		0.00	0	0	0	0	0	0
28	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00		0.00	0	0	0	0	0	0
29	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00		0.00	0	0	0	0	0	0
30	0	0.00	367	698	86.1	0	0.00	340	0	0.00	0.00		0.00	0	0	0	0	0	0
31	0	0.00	367	698	86.1	0	0.00	340	0	0.00	0.00		0.00	0	0	0	0	0	0
	2,642,642	3.97				0	0.00		0	0.00	0.00		3.97	7,719	10 Ave.	2,139	87 Total	14,619	594 Total
	8.1 ac-ft					0.0 ac-ft			0.0 ac-ft		0.0								
Percent of Total =	100%					0%			0%										

Irrigation Cycle Start Date: **8/26/13**
Irrigation Cycle End Date: **9/9/13**
BOD Applied: **248**
Cycle Average BOD: **18**

Cumulative Loading Calculations	Nitrogen	TDS
Commercial Applications		
July-13	80 lbs/acre	549 lbs/acre
August-13	52 lbs/acre	327 lbs/acre
September-13	87 lbs/acre	594 lbs/acre
Total	**219 lbs/acre**	**1,470 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	491	483	122.4	0	0.00	341	0	0.00	0.00	0.00	0	0	0	0	0	0
2	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00	0.00	0	0	0	0	0	0
3	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00	0.00	0	0	0	0	0	0
4	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00	0.00	0	0	0	0	0	0
5	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00	0.00	0	0	0	0	0	0
6	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00	0.00	0	0	0	0	0	0
7	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00	0.00	0	0	0	0	0	0
8	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00	0.00	0	0	0	0	0	0
9	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
10	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
11	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
12	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
13	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
14	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
15	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
16	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
17	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
18	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
19	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
20	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
21	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
22	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
23	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
24	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
25	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
26	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
27	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
28	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
29	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
30	0	0.00	367	698	86.1	0	0.00	340	0	0.00	0.00	0.00	0	0	0	0	0	0
31	0	0.00	367	698	86.1	0	0.00	340	0	0.00	0.00	0.00	0	0	0	0	0	0
	0	0.00				0	0.00		0	0.00	0.00	0.00	0	0 Ave.	0	0 Total	0	0 Total
	0.0	ac-ft				0.0	ac-ft		0.0	ac-ft	0.0							
Percent of Total =	#DIV/0!					#DIV/0!			#DIV/0!									

Irrigation Cycle Start Date: **8/25/13**
Irrigation Cycle End Date:
BOD Applied: **266**
Cycle Average BOD: **0**

Cumulative Loading Calculations	Nitrogen	TDS
Commercial Applications		
July-13	66 lbs/acre	448 lbs/acre
August-13	52 lbs/acre	325 lbs/acre
September-13	0 lbs/acre	0 lbs/acre
Total	**118 lbs/acre**	**773 lbs/acre**

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

LAND APPLICATION AREA: M.S. 11 — 35.6 acres

Day	Settling Pond Effluent Applied (gal)	Settling Pond Effluent Applied (in)	BOD Ave. Applied (mg/l)	TDS Ave. Applied (mg/l)	Nitrogen Ave. Applied (mg/l)	Cooling Pond Effluent Applied (gal)	Cooling Pond Effluent Applied (in)	TDS Ave. Applied (mg/l)	Fresh Irrigation (gal)	Fresh Irrigation (in)	Rainfall (in)	Hydraulic Loading (in)	BOD Loading: Total Weight (lbs/day)	BOD Loading: Loading Applied (lbs/ac/day)	Nitrogen Loading: Total (lbs/day)	Nitrogen Loading: Applied (lbs/ac/month)	TDS Loading: Total (lbs/day)	TDS Loading: Applied (lbs/ac/month)
1	0	0.00	491	483	122.4	0	0.00	341	0	0.00	0.00	0.00	0	0	0	0	0	0
2	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00	0.00	0	0	0	0	0	0
3	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00	0.00	0	0	0	0	0	0
4	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00	0.00	0	0	0	0	0	0
5	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00	0.00	0	0	0	0	0	0
6	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00	0.00	0	0	0	0	0	0
7	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00	0.00	0	0	0	0	0	0
8	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00	0.00	0	0	0	0	0	0
9	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
10	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
11	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
12	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
13	478,056	0.49	336	681	94.5	0	0.00	338	0	0.00	0.00	0.49	1,340	38	377	11	2,717	76
14	488,511	0.51	336	681	94.5	0	0.00	338	0	0.00	0.00	0.51	1,370	38	385	11	2,776	78
15	469,652	0.49	336	681	94.5	0	0.00	338	0	0.00	0.00	0.49	1,317	37	370	10	2,669	75
16	387,809	0.40	359	655	89.2	0	0.00	338	0	0.00	0.00	0.40	1,162	33	289	8	2,120	60
17	386,693	0.40	359	655	89.2	0	0.00	338	0	0.00	0.00	0.40	1,158	33	288	8	2,114	59
18	395,173	0.41	359	655	89.2	0	0.00	338	0	0.00	0.00	0.41	1,184	33	294	8	2,160	61
19	407,943	0.42	359	655	89.2	0	0.00	338	0	0.00	0.00	0.42	1,222	34	304	9	2,230	63
20	953,787	0.99	359	655	89.2	0	0.00	338	0	0.00	0.00	0.99	2,857	80	710	20	5,213	146
21	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
22	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
23	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
24	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
25	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
26	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
27	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
28	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
29	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
30	0	0.00	367	698	86.1	0	0.00	340	0	0.00	0.00	0.00	0	0	0	0	0	0
31	0	0.00	367	698	86.1	0	0.00	340	0	0.00	0.00	0.00	0	0	0	0	0	0
	3,967,625	4.11				0	0.00		0	0.00	0.00	4.11	11,610	11 Ave.	3,017	85 Total	21,999	618 Total
	12.2 ac-ft					0.0 ac-ft			0.0 ac-ft		0.0							
Percent of Total =	100%					0%			0%									

Irrigation Cycle Start Date: **8/9/13**
Irrigation Cycle End Date: **9/12/13**
BOD Applied: **864**
Cycle Average BOD: **25**

Cumulative Loading Calculations — Commercial Applications	Nitrogen	TDS
July-13	90 lbs/acre	618 lbs/acre
August-13	75 lbs/acre	561 lbs/acre
September-13	85 lbs/acre	618 lbs/acre
Total	**250 lbs/acre**	**1,797 lbs/acre**

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

LAND APPLICATION AREA:

	M.S. 14	44.5	acres								
Day	Settling Pond Effluent Applied (gal)	Settling Pond Effluent Applied (in)	BOD Ave. Applied (mg/l)	TDS Ave. Applied (mg/l)	Nitrogen Ave. Applied (mg/l)	Cooling Pond Effluent Applied (gal)	Cooling Pond Effluent Applied (in)	TDS Ave. Applied (mg/l)	Fresh Irrigation (gal)	Fresh Irrigation (in)	Rainfall (in)
1	0	0.00	491	483	122.4	0	0.00	341	0	0.00	0.00
2	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00
3	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00
4	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00
5	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00
6	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00
7	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00
8	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00
9	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00
10	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00
11	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00
12	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00
13	597,569	0.49	336	681	94.5	0	0.00	338	0	0.00	0.00
14	610,639	0.51	336	681	94.5	0	0.00	338	0	0.00	0.00
15	587,065	0.49	336	681	94.5	0	0.00	338	0	0.00	0.00
16	484,762	0.40	359	655	89.2	0	0.00	338	0	0.00	0.00
17	483,366	0.40	359	655	89.2	0	0.00	338	0	0.00	0.00
18	493,966	0.41	359	655	89.2	0	0.00	338	0	0.00	0.00
19	509,928	0.42	359	655	89.2	0	0.00	338	0	0.00	0.00
20	1,192,234	0.99	359	655	89.2	0	0.00	338	0	0.00	0.00
21	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00
22	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00
23	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00
24	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00
25	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00
26	291,266	0.24	389	688	89.4	0	0.00	338	0	0.00	0.00
27	342,763	0.28	389	688	89.4	0	0.00	338	0	0.00	0.00
28	413,607	0.34	389	688	89.4	0	0.00	338	0	0.00	0.00
29	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00
30	0	0.00	367	698	86.1	0	0.00	340	0	0.00	0.00
31	0	0.00	367	698	86.1	0	0.00	340	0	0.00	0.00
	6,007,166	4.97				0	0.00		0	0.00	0.00
	18.4	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
0.49	1,675	38	471	11	3,396	76
0.51	1,712	38	482	11	3,470	78
0.49	1,646	37	463	10	3,336	75
0.40	1,452	33	361	8	2,650	60
0.40	1,448	33	360	8	2,642	59
0.41	1,480	33	368	8	2,700	61
0.42	1,528	34	380	9	2,787	63
0.99	3,572	80	887	20	6,516	146
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
0.24	945	21	217	5	1,672	38
0.28	1,113	25	256	6	1,968	44
0.34	1,343	30	309	7	2,374	53
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
4.97	17,914	13 Ave.	4,554	102 Total	33,511	753 Total

Irrigation Cycle Start Date:	8/15/13	Irrigation Cycle Start Date:	9/13/13
Irrigation Cycle End Date:	9/12/13	Irrigation Cycle End Date:	9/25/13
BOD Applied:	882	BOD Applied:	326
Cycle Average BOD:	32	Cycle Average BOD:	27

Cumulative Loading Calculations	Nitrogen	TDS
Commercial Applications		
July-13	68 lbs/acre	435 lbs/acre
August-13	132 lbs/acre	784 lbs/acre
September-13	102 lbs/acre	753 lbs/acre
Total	**302 lbs/acre**	**1,972 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	491	483	122.4	0	0.00	341	0	0.00	0.00
2	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00
3	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00
4	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00
5	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00
6	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00
7	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00
8	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00
9	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00
10	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00
11	505,062	0.70	336	681	94.5	0	0.00	338	0	0.00	0.00
12	708,664	0.98	336	681	94.5	0	0.00	338	0	0.00	0.00
13	358,542	0.49	336	681	94.5	0	0.00	338	0	0.00	0.00
14	366,384	0.51	336	681	94.5	0	0.00	338	0	0.00	0.00
15	352,239	0.49	336	681	94.5	0	0.00	338	0	0.00	0.00
16	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00
17	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00
18	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00
19	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00
20	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00
21	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00
22	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00
23	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00
24	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00
25	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00
26	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00
27	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00
28	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00
29	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00
30	0	0.00	367	698	86.1	0	0.00	340	0	0.00	0.00
31	0	0.00	367	698	86.1	0	0.00	340	0	0.00	0.00
	2,290,890	3.17				0	0.00		0	0.00	0.00
	7.0	ac-ft				0.0	ac-ft		0.0	ac-ft	0.0
Percent of Total =	100%					0%			0%		

Hydraulic Loading (in)	BOD Loading Total Weight (lbs/day)	BOD Loading 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
0.70	1,416	53	398	15	2,870	107
0.98	1,987	74	559	21	4,027	151
0.49	1,005	38	283	11	2,037	76
0.51	1,027	38	289	11	2,082	78
0.49	988	37	278	10	2,002	75
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
3.17	6,423	8 Ave.	1,807	68 Total	13,018	488 Total

Irrigation Cycle Start Date: **8/24/13**
Irrigation Cycle End Date: **9/10/13**
BOD Applied: **327**
Cycle Average BOD: **19**

Cumulative Loading Calculations

Commercial Applications	Nitrogen	TDS
July-13	12 lbs/acre	89 lbs/acre
August-13	126 lbs/acre	848 lbs/acre
September-13	68 lbs/acre	488 lbs/acre
Total	**206 lbs/acre**	**1,425 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	357,711	0.36	491	483	122.4	0	0.00	341	0	0.00	0.00
2	404,090	0.41	349	678	99.0	0	0.00	340	0	0.00	0.00
3	386,650	0.39	349	678	99.0	0	0.00	340	0	0.00	0.00
4	370,801	0.37	349	678	99.0	0	0.00	340	0	0.00	0.00
5	364,489	0.37	349	678	99.0	0	0.00	340	0	0.00	0.00
6	466,126	0.47	349	678	99.0	0	0.00	340	0	0.00	0.00
7	405,984	0.41	349	678	99.0	0	0.00	340	0	0.00	0.00
8	370,572	0.37	349	678	99.0	0	0.00	340	0	0.00	0.00
9	423,016	0.42	336	681	94.5	0	0.00	338	0	0.00	0.00
10	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00
11	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00
12	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00
13	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00
14	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00
15	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00
16	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00
17	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00
18	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00
19	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00
20	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00
21	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00
22	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00
23	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00
24	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00
25	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00
26	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00
27	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00
28	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00
29	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00
30	0	0.00	367	698	86.1	0	0.00	340	0	0.00	0.00
31	0	0.00	367	698	86.1	0	0.00	340	0	0.00	0.00
	3,549,438	3.57				0	0.00		0	0.00	0.00
	10.9	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)
0.36	1,466	**40**	365	**10**	1,442	**39**
0.41	1,177	**32**	334	**9**	2,286	**62**
0.39	1,126	**31**	319	**9**	2,187	**60**
0.37	1,080	**29**	306	**8**	2,098	**57**
0.37	1,061	**29**	301	**8**	2,062	**56**
0.47	1,357	**37**	385	**10**	2,637	**72**
0.41	1,182	**32**	335	**9**	2,297	**63**
0.37	1,079	**29**	306	**8**	2,097	**57**
0.42	1,186	**32**	334	**9**	2,404	**66**
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**
3.57	10,714	**10 Ave.**	2,985	**81 Total**	19,510	**532 Total**

Irrigation Cycle Start Date: **7/24/13**
Irrigation Cycle End Date: **8/31/13**
BOD Applied: **1,692**
Cycle Average BOD: **45**

Cumulative Loading Calculations	Nitrogen	TDS
Commercial Applications		
July-13	87 lbs/acre	601 lbs/acre
August-13	29 lbs/acre	229 lbs/acre
September-13	81 lbs/acre	532 lbs/acre
Total	**197 lbs/acre**	**1,362 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)	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	491	483	122.4	0	0.00	341	0	0.00	0.00	0.00	0	0	0	0	0	0
2	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00	0.00	0	0	0	0	0	0
3	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00	0.00	0	0	0	0	0	0
4	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00	0.00	0	0	0	0	0	0
5	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00	0.00	0	0	0	0	0	0
6	496,608	0.47	349	678	99.0	0	0.00	340	0	0.00	0.00	0.47	1,446	37	410	10	2,810	72
7	432,533	0.41	349	678	99.0	0	0.00	340	0	0.00	0.00	0.41	1,260	32	357	9	2,447	63
8	394,805	0.37	349	678	99.0	0	0.00	340	0	0.00	0.00	0.37	1,150	29	326	8	2,234	57
9	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
10	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
11	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
12	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
13	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
14	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
15	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
16	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
17	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
18	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
19	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
20	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
21	411,640	0.39	359	655	89.2	0	0.00	338	0	0.00	0.00	0.39	1,233	32	306	8	2,250	58
22	228,375	0.22	359	655	89.2	0	0.00	338	0	0.00	0.00	0.22	684	17	170	4	1,248	32
23	267,611	0.25	389	688	89.4	0	0.00	338	0	0.00	0.00	0.25	869	22	200	5	1,536	39
24	304,745	0.29	389	688	89.4	0	0.00	338	0	0.00	0.00	0.29	989	25	227	6	1,750	45
25	305,013	0.29	389	688	89.4	0	0.00	338	0	0.00	0.00	0.29	990	25	228	6	1,751	45
26	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
27	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
28	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
29	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
30	0	0.00	367	698	86.1	0	0.00	340	0	0.00	0.00	0.00	0	0	0	0	0	0
31	0	0.00	367	698	86.1	0	0.00	340	0	0.00	0.00	0.00	0	0	0	0	0	0
	2,841,332	2.69				0	0.00		0	0.00	0.00	2.69	8,621	7 Ave.	2,224	57 Total	16,026	410 Total
	8.7	ac-ft				0.0	ac-ft		0.0	ac-ft	0.0							
Percent of Total =	100%					0%			0%									

Irrigation Cycle Start Date:	8/21/13	Irrigation Cycle Start Date:	9/6/13
Irrigation Cycle End Date:	9/5/13	Irrigation Cycle End Date:	9/20/13
BOD Applied:	306	BOD Applied:	98
Cycle Average BOD:	20	Cycle Average BOD:	7

Cumulative Loading Calculations

Commercial Applications	Nitrogen	TDS
July-13	72 lbs/acre	495 lbs/acre
August-13	48 lbs/acre	275 lbs/acre
September-13	57 lbs/acre	410 lbs/acre
Total	**177 lbs/acre**	**1,180 lbs/acre**

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

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

Day	Settling Pond Effluent Applied (gal)	Settling Pond Effluent Applied (in)	BOD Ave. Applied (mg/l)	TDS Ave. Applied (mg/l)	Nitrogen Ave. Applied (mg/l)	Cooling Pond Effluent Applied (gal)	Cooling Pond Effluent Applied (in)	TDS Ave. Applied (mg/l)	Fresh Irrigation (gal)	Fresh Irrigation (in)	Rainfall (in)
1	0	0.00	491	483	122.4	0	0.00	341	0	0.00	0.00
2	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00
3	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00
4	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00
5	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00
6	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00
7	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00
8	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00
9	450,679	0.42	336	681	94.5	0	0.00	338	0	0.00	0.00
10	464,369	0.44	336	681	94.5	0	0.00	338	0	0.00	0.00
11	739,623	0.70	336	681	94.5	0	0.00	338	0	0.00	0.00
12	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00
13	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00
14	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00
15	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00
16	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00
17	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00
18	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00
19	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00
20	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00
21	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00
22	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00
23	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00
24	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00
25	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00
26	255,921	0.24	389	688	89.4	0	0.00	338	0	0.00	0.00
27	301,169	0.28	389	688	89.4	0	0.00	338	0	0.00	0.00
28	363,416	0.34	389	688	89.4	0	0.00	338	0	0.00	0.00
29	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00
30	0	0.00	367	698	86.1	0	0.00	340	0	0.00	0.00
31	0	0.00	367	698	86.1	0	0.00	340	0	0.00	0.00
	2,575,178	2.42				0	0.00		0	0.00	0.00
	7.9 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	0.42	1,264	32	355	9	2,561	65
10	0.44	1,302	33	366	9	2,639	67
11	0.70	2,074	53	583	15	4,203	107
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	0.24	831	21	191	5	1,469	38
27	0.28	978	25	225	6	1,729	44
28	0.34	1,180	30	271	7	2,086	53
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
	2.42	7,629	6 Ave.	1,991	51 Total	14,687	376 Total

Irrigation Cycle Start Date:	8/24/13	Irrigation Cycle Start Date:	9/9/13
Irrigation Cycle End Date:	9/8/13	Irrigation Cycle End Date:	9/25/13
BOD Applied:	153	BOD Applied:	118
Cycle Average BOD:	10	Cycle Average BOD:	7

Cumulative Loading Calculations

Commercial Applications	Nitrogen	TDS
July-13	0 lbs/acre	0 lbs/acre
August-13	72 lbs/acre	480 lbs/acre
September-13	51 lbs/acre	376 lbs/acre
Total	**123 lbs/acre**	**856 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)	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	314,825	0.36	491	483	122.4	0	0.00	341	0	0.00	0.00	0.36	1,290	**40**	322	**10**	1,269	**39**
2	355,643	0.41	349	678	99.0	0	0.00	340	0	0.00	0.00	0.41	1,036	**32**	294	**9**	2,012	**62**
3	340,294	0.39	349	678	99.0	0	0.00	340	0	0.00	0.00	0.39	991	**31**	281	**9**	1,925	**60**
4	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
5	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
6	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
7	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
8	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
9	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
10	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
11	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
12	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
13	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
14	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
15	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
16	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
17	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
18	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
19	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
20	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
21	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
22	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
23	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
24	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
25	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
26	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
27	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
28	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
29	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
30	0	0.00	367	698	86.1	0	0.00	340	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
31	0	0.00	367	698	86.1	0	0.00	340	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
	1,010,762	**1.16**				**0**	**0.00**		**0**	**0.00**	**0.00**	**1.16**	**3,317**	**3 Ave.**	**897**	**28 Total**	**5,206**	**161 Total**
	3.1	**ac-ft**				**0.0**	**ac-ft**		**0.0**	**ac-ft**	**0.0**							
Percent of Total =	**100%**					**0%**			**0%**									

Irrigation Cycle Start Date: **8/29/13**
Irrigation Cycle End Date:
BOD Applied: **200**
Cycle Average BOD: **0**

Cumulative Loading Calculations

Commercial Applications	Nitrogen	TDS
July-13	34 lbs/acre	211 lbs/acre
August-13	100 lbs/acre	803 lbs/acre
September-13	28 lbs/acre	161 lbs/acre
Total	**162 lbs/acre**	**1,175 lbs/acre**

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

LAND APPLICATION AREA: M.S. 20 Ch2 — 32.3 acres

Day	Settling Pond Effluent Applied (gal)	Settling Pond Effluent Applied (in)	BOD Ave. Applied (mg/l)	TDS Ave. Applied (mg/l)	Nitrogen Ave. Applied (mg/l)	Cooling Pond Effluent Applied (gal)	Cooling Pond Effluent Applied (in)	TDS Ave. Applied (mg/l)	Fresh Irrigation (gal)	Fresh Irrigation (in)	Rainfall (in)	Hydraulic Loading (in)	BOD Loading Total Weight (lbs/day)	BOD Loading 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	491	483	122.4	0	0.00	341	0	0.00	0.00	0.00	0	0	0	0	0	0
2	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00	0.00	0	0	0	0	0	0
3	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00	0.00	0	0	0	0	0	0
4	326,346	0.37	349	678	99.0	0	0.00	340	0	0.00	0.00	0.37	950	29	270	8	1,846	57
5	320,790	0.37	349	678	99.0	0	0.00	340	0	0.00	0.00	0.37	934	29	265	8	1,815	56
6	410,241	0.47	349	678	99.0	0	0.00	340	0	0.00	0.00	0.47	1,195	37	339	10	2,321	72
7	357,310	0.41	349	678	99.0	0	0.00	340	0	0.00	0.00	0.41	1,041	32	295	9	2,021	63
8	326,144	0.37	349	678	99.0	0	0.00	340	0	0.00	0.00	0.37	950	29	269	8	1,845	57
9	372,300	0.42	336	681	94.5	0	0.00	338	0	0.00	0.00	0.42	1,044	32	294	9	2,116	66
10	383,609	0.44	336	681	94.5	0	0.00	338	0	0.00	0.00	0.44	1,076	33	302	9	2,180	67
11	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
12	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
13	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
14	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
15	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
16	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
17	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
18	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
19	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
20	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
21	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
22	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
23	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
24	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
25	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
26	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
27	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
28	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
29	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
30	0	0.00	367	698	86.1	0	0.00	340	0	0.00	0.00	0.00	0	0	0	0	0	0
31	0	0.00	367	698	86.1	0	0.00	340	0	0.00	0.00	0.00	0	0	0	0	0	0
	2,496,739	2.85				0	0.00		0	0.00	0.00	2.85	7,190	7 Ave.	2,034	63 Total	14,144	438 Total
	7.7 ac-ft					0.0 ac-ft			0.0 ac-ft		0.0							
Percent of Total =	100%					0%			0%									

Irrigation Cycle Start Date: **8/12/13**
Irrigation Cycle End Date: **9/3/13**
BOD Applied: **543**
Cycle Average BOD: **25**

Cumulative Loading Calculations

Commercial Applications	Nitrogen	TDS
July-13	34 lbs/acre	218 lbs/acre
August-13	67 lbs/acre	425 lbs/acre
September-13	63 lbs/acre	438 lbs/acre
Total	**164 lbs/acre**	**1,081 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	491	483	122.4	0	0.00	341	0	0.00	0.00	0.00	0	0	0	0	0	0
2	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00	0.00	0	0	0	0	0	0
3	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00	0.00	0	0	0	0	0	0
4	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00	0.00	0	0	0	0	0	0
5	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00	0.00	0	0	0	0	0	0
6	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00	0.00	0	0	0	0	0	0
7	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00	0.00	0	0	0	0	0	0
8	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00	0.00	0	0	0	0	0	0
9	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
10	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
11	489,929	0.70	336	681	94.5	0	0.00	338	0	0.00	0.00	0.70	1,374	53	386	15	2,784	107
12	687,430	0.98	336	681	94.5	0	0.00	338	0	0.00	0.00	0.98	1,927	74	542	21	3,906	151
13	347,799	0.49	336	681	94.5	0	0.00	338	0	0.00	0.00	0.49	975	38	274	11	1,976	76
14	355,406	0.51	336	681	94.5	0	0.00	338	0	0.00	0.00	0.51	996	38	280	11	2,020	78
15	341,685	0.49	336	681	94.5	0	0.00	338	0	0.00	0.00	0.49	958	37	269	10	1,942	75
16	282,142	0.40	359	655	89.2	0	0.00	338	0	0.00	0.00	0.40	845	33	210	8	1,542	60
17	281,330	0.40	359	655	89.2	0	0.00	338	0	0.00	0.00	0.40	843	33	209	8	1,538	59
18	287,499	0.41	359	655	89.2	0	0.00	338	0	0.00	0.00	0.41	861	33	214	8	1,571	61
19	296,790	0.42	359	655	89.2	0	0.00	338	0	0.00	0.00	0.42	889	34	221	9	1,622	63
20	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
21	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
22	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
23	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
24	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
25	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
26	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
27	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
28	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
29	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
30	0	0.00	367	698	86.1	0	0.00	340	0	0.00	0.00	0.00	0	0	0	0	0	0
31	0	0.00	367	698	86.1	0	0.00	340	0	0.00	0.00	0.00	0	0	0	0	0	0
	3,370,011	4.80				0	0.00		0	0.00	0.00	4.80	9,668	12 Ave.	2,605	101 Total	18,901	730 Total
	10.3 ac-ft					0.0 ac-ft			0.0 ac-ft		0.0							
Percent of Total =	100%					0%			0%									

Irrigation Cycle Start Date:	8/9/13
Irrigation Cycle End Date:	9/10/13
BOD Applied:	864
Cycle Average BOD:	27

Cumulative Loading Calculations

	Nitrogen	TDS
Commercial Applications		
July-13	78 lbs/acre	499 lbs/acre
August-13	75 lbs/acre	561 lbs/acre
September-13	101 lbs/acre	730 lbs/acre
Total	**254 lbs/acre**	**1,790 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	778,778	0.36	491	483	122.4	0	0.00	341	0	0.00	0.00
2	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00
3	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00
4	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00
5	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00
6	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00
7	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00
8	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00
9	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00
10	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00
11	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00
12	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00
13	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00
14	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00
15	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00
16	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00
17	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00
18	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00
19	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00
20	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00
21	841,178	0.39	359	655	89.2	0	0.00	338	0	0.00	0.00
22	466,679	0.22	359	655	89.2	0	0.00	338	0	0.00	0.00
23	546,858	0.25	389	688	89.4	0	0.00	338	0	0.00	0.00
24	622,740	0.29	389	688	89.4	0	0.00	338	0	0.00	0.00
25	623,287	0.29	389	688	89.4	0	0.00	338	0	0.00	0.00
26	522,970	0.24	389	688	89.4	0	0.00	338	0	0.00	0.00
27	615,433	0.28	389	688	89.4	0	0.00	338	0	0.00	0.00
28	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00
29	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00
30	0	0.00	367	698	86.1	0	0.00	340	0	0.00	0.00
31	0	0.00	367	698	86.1	0	0.00	340	0	0.00	0.00
	5,017,923	2.32				0	0.00		0	0.00	0.00
	15.4	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)
0.36	3,191	**40**	795	**10**	3,139	**39**
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**
0.39	2,520	**32**	626	**8**	4,598	**58**
0.22	1,398	**17**	347	**4**	2,551	**32**
0.25	1,775	**22**	408	**5**	3,139	**39**
0.29	2,021	**25**	465	**6**	3,575	**45**
0.29	2,023	**25**	465	**6**	3,578	**45**
0.24	1,698	**21**	390	**5**	3,002	**38**
0.28	1,998	**25**	459	**6**	3,533	**44**
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**
2.32	**16,624**	**7 Ave.**	**3,955**	**49 Total**	**27,115**	**339 Total**

Irrigation Cycle Start Date: **8/30/13**
Irrigation Cycle End Date: **9/20/13**
BOD Applied: **147**
Cycle Average BOD: 7

Cumulative Loading Calculations

Commercial Applications	Nitrogen	TDS
July-13	68 lbs/acre	433 lbs/acre
August-13	49 lbs/acre	339 lbs/acre
September-13	147 lbs/acre	936 lbs/acre
Total	**264 lbs/acre**	**1,708 lbs/acre**

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

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

Day	Settling Pond Effluent Applied (gal)	Settling Pond Effluent Applied (in)	BOD Ave. Applied (mg/l)	TDS Ave. Applied (mg/l)	Nitrogen Ave. Applied (mg/l)	Cooling Pond Effluent Applied (gal)	Cooling Pond Effluent Applied (in)	TDS Ave. Applied (mg/l)	Fresh Irrigation (gal)	Fresh Irrigation (in)	Rainfall (in)	Hydraulic Loading (in)	BOD Loading Total Weight (lbs/day)	BOD Loading Loading Applied (lbs/ac/day)	Nitrogen Loading Total (lbs/day)	Nitrogen Loading Applied (lbs/ac/month)	TDS Loading Total (lbs/day)	TDS Loading Applied (lbs/ac/month)
1	0	0.00	491	483	122.4	0	0.00	341	0	0.00	0.00	0.00	0	0	0	0	0	0
2	879,748	0.41	349	678	99.0	0	0.00	340	0	0.00	0.00	0.41	2,562	32	727	9	4,977	62
3	841,781	0.39	349	678	99.0	0	0.00	340	0	0.00	0.00	0.39	2,451	31	695	9	4,762	60
4	807,276	0.37	349	678	99.0	0	0.00	340	0	0.00	0.00	0.37	2,351	29	667	8	4,567	57
5	793,532	0.37	349	678	99.0	0	0.00	340	0	0.00	0.00	0.37	2,311	29	656	8	4,489	56
6	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00	0.00	0	0	0	0	0	0
7	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00	0.00	0	0	0	0	0	0
8	0	0.00	349	678	99.0	0	0.00	340	0	0.00	0.00	0.00	0	0	0	0	0	0
9	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
10	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
11	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
12	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
13	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
14	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
15	0	0.00	336	681	94.5	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
16	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
17	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
18	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
19	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
20	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
21	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
22	0	0.00	359	655	89.2	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
23	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
24	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
25	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
26	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
27	0	0.00	389	688	89.4	0	0.00	338	0	0.00	0.00	0.00	0	0	0	0	0	0
28	742,633	0.34	389	688	89.4	0	0.00	338	0	0.00	0.00	0.34	2,411	30	554	7	4,263	53
29	1,244,598	0.57	389	688	89.4	0	0.00	338	0	0.00	0.00	0.57	4,040	51	928	12	7,145	89
30	950,443	0.44	367	698	86.1	0	0.00	340	0	0.00	0.00	0.44	2,911	36	683	9	5,536	69
31	0	0.00	367	698	86.1	0	0.00	340	0	0.00	0.00	0.00	0	0	0	0	0	0
	6,260,012	2.89				0	0.00		0	0.00	0.00	2.89	19,037	8 Ave.	4,910	61 Total	35,739	447 Total
	19.2	ac-ft				0.0	ac-ft		0.0	ac-ft	0.0							
Percent of Total =	100%					0%			0%									

Irrigation Cycle Start Date:	8/23/13	Irrigation Cycle Start Date:	9/2/13
Irrigation Cycle End Date:	9/1/13	Irrigation Cycle End Date:	9/27/13
BOD Applied:	488	BOD Applied:	121
Cycle Average BOD:	54	Cycle Average BOD:	5

Cumulative Loading Calculations

Commercial Applications	Nitrogen	TDS
July-13	68 lbs/acre	435 lbs/acre
August-13	142 lbs/acre	969 lbs/acre
September-13	61 lbs/acre	447 lbs/acre
Total	**271 lbs/acre**	**1,851 lbs/acre**

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # MS 1 Technician: Sergio

Date: 9/20/13 Weather: Sunny 89°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Cart pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 89° Wind 11mph SSW
14. Other observations: RICE FIELD NEEDS Water

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS1 Technician: Sergio

Date: 9/21/13 Weather: Rainy 73°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily DURING-Application Inspection Observations:

Field No: # MS1 Technician: Sergio

Date: 9/22/13 Weather: Cloudy 60°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Cloudy 60° No wind
14. Other observations: Harvested RICE FIELD Needs Water

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS1 Technician: Sergio

Date: 9/23/13 Weather: Sunny 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: Sunny 81° Wind 7mph WSW
14. Other observations: Harvester RICE FIELD NEEDS water

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS1 Technician: Sergio

Date: 9/24/13 Weather: Sunny 84°

1. Any evidence of erosion: yes / (no)
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential 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 84° Wind 10mph WNW
14. Other observations: harvested RYE FIELD Being watered

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # M5 1 Technician: Sergio

Date: 9/25/13 Weather: Sunny 74°

1. Any evidence of erosion: yes / (no)
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential 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 74° Wind 5mph N
14. Other observations: Harvested Rice Field Being Watered

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS1 Technician: Sergio

Date: 9/26/13 Weather: Sunny 78°

1. Any evidence of erosion: yes / (no)
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential 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 78° Wind 10mph S
14. Other observations: Harvested Rice Field being watered

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # Ms1 Technician: Sergio

Date: 9/27/13 Weather: Sunny 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: Sunny 79° Wind 12mph SW
14. Other observations: Harvested Rice Field being watered

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS1 Technician: Sergio

Date: 9/28/13 Weather: Sunny 78°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD _____
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 78° wind 13mph SW
14. Other observations: Harvested RICE FIELD being watered its taking most of the settling pond water

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS1 Technician: Sergio

Date: 9/29/13 Weather: Cloudy 73°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pump working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Cloudy 73 wind 10mph S
14. Other observations: Harvested RICE FIELD Being watered taking most of settling pond water

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 1 Technician: Sergio

Date: 9/30/13 Weather: Cloudy 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: Cloudy 77° Wind 11mph SSW
14. Other observations: Harvested RICEFIELD being watered its taking most of the settling pond water

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 2/3 Technician: Sergio

Date: 9/11/13 Weather: Sunny 89°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 89° 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: 9/2/13 Weather: Cloudy 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: Cloudy 76° Wind 11mphs
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: 9/3/13 Weather: Sunny 85°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 85° 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: 9/4/13 Weather: Sunny 87°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pump Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 87° wind 8mphS
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: 9/5/13 Weather: Sunny 85°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 85° Wind 6mph SSW
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: 9/6/13 Weather: Sunny 92°

1. Any evidence of erosion: yes / (no)
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pump working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential 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 92° Wind 13mph N
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: 9/7/13 Weather: Sunny 89°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 89° Wind 1mph N
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: 9/8/13 Weather: Sunny 99°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 99° Wind 6mph N
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: 9/9/13 Weather: Sunny 100°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 100° Wind 10mph W
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|13 Weather: Sunny 90°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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/ 90° Wind 12mph SSW
14. Other observations: Grass looks Good

LAND APPLICATION AREA MONITORING

Daily **POST**-Application Inspection Observations:

Field No: # 213 Technician: Sergio

Date: 9/11/13 Weather: Cloudy 85°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Cloudy 85° Wind 9mph SSW
14. Other observations: Crop looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # 2/3 Technician: Sergio

Date: 9/15/13 Weather: Sunny 88°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 88° wind 10mphs
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: 9/16/13 Weather: Sunny 87°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 87° Wind 4mphs
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: 9/17/13 Weather: Sunny 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: Sunny 79° No Wind
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily DURING-Application Inspection Observations:

Field No: # 2/3 Technician: Sergio

Date: 9/18/13 Weather: Sunny 82°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 82° Wind 15mph S
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: 9/19/13 Weather: Sunny 89°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 89° Wind 13mph NE
14. Other observations: Crop looks Good

LAND APPLICATION AREA MONITORING

Daily **POST**-Application Inspection Observations:

Field No: # 213 Technician: Sergio

Date: 9/20/13 Weather: Sunny 89°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 89° Wind 11mph SSW
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 5 Technician: Sergio

Date: 9/1/13 Weather: Sunny 89°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 89° No wind
14. Other observations: Crop looks Good

LAND APPLICATION AREA MONITORING

Daily **POST**-Application Inspection Observations:

Field No: # 5 Technician: Sergio

Date: 9/2/13 Weather: Cloudy 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: Cloudy 76° wind 11mph S
14. Other observations: Crop looks GOOD

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # 5 Technician: Sergio

Date: 9/9/13 Weather: Sunny 100°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 100°; Wind 10mph W
14. Other observations: Crop looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 5 Technician: Sergio

Date: 9/10/13 Weather: Sunny 90°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 90° Wind 12mph SSW
14. Other observations: Crop looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 5 Technician: Sergio

Date: 9/11/13 Weather: cloudy 85°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: cloudy 85° wind 9mph SSW
14. Other observations: Crop looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 5 Technician: Sergio

Date: 9/12/13 Weather: Sunny 89°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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/89° wind 6mph SSW
14. Other observations: Crop looks good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 5 Technician: Sergio

Date: 9/13/13. Weather: Sunny 87°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 87° No wind
14. Other observations: Crop looks good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily DURING-Application Inspection Observations:

Field No: # 5 Technician: Sergio

Date: 9/14/13 Weather: Sunny 89°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 89° wind 4mph SSW
14. Other observations: Crop looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 5 Technician: Sergio

Date: 9/15/13. Weather: Sunny 88°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 88° wind 10mphs
14. Other observations: Crop looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily POST-Application Inspection Observations:

Field No: # 5 . Technician: Sergio

Date: 9/16/13 Weather: Sunny 87°

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

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

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 87° Wind 4mph S
14. Other observations: Crop looks good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily POST-Application Inspection Observations:

Field No: # 6 Technician: Sergio

Date: 9/1/13 Weather: Sunny 89°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 89° 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: 9/12/13 Weather: Sunny 89°

1. Any evidence of erosion: yes / (no)
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential 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 89° wind 6mph SSW
14. Other observations: Grass Growing Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 11 Technician: Sergio

Date: 9/13/13 Weather: Sunny 87°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 87° No wind
14. Other observations: Grap looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 11 Technician: Sergio

Date: 9/14/13 Weather: Sunny 89°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 89° Wind 4mph SSW
14. Other observations: Crop looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily DURING-Application Inspection Observations:

Field No: # 11 Technician: Sergio

Date: 9/15/13 Weather: Sunny 88°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 88° Wind 10mphS
14. Other observations: Crop looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 11 Technician: Sergio

Date: 9/16/13. Weather: Sunny 87°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 87° Wind 4mph S
14. Other observations: Crop looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 11 Technician: Sergio

Date: 9/17/13 Weather: Sunny 79°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily DURING-Application Inspection Observations:

Field No: # 11 Technician: Sergio

Date: 9/18/13 Weather: Sunny 82°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 82° wind 15mphs
14. Other observations: Crop looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 11 Technician: Sergio

Date: 9/19/13 Weather: Sunny 89°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumper working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 89° wind 13mph NE
14. Other observations: Crop looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # R1 Technician: Sergio

Date: 9/20/13 Weather: Sunny 89°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 89° Wind 16mph SSW
14. Other observations: Crop looks Good

LAND APPLICATION AREA MONITORING

Daily POST-Application Inspection Observations:

Field No: # 11 . Technician: Sergio

Date: 9/21/13 Weather: Rainy 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: Rainy 73° No wind
14. Other observations: Crop looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # 14 Technician: Sergio

Date: 9/12/13 Weather: Sunny 89°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A (lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 89° Wind 6mph SSW
14. Other observations: Crop looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 14 Technician: Sergio

Date: 9/13/13. Weather: Sunny 87°

1. Any evidence of erosion: yes / (no)
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential 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 87° No Wind
14. Other observations: Crop looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 14 Technician: Sergio

Date: 9/14/13 Weather: Sunny 89°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 89° wind 4mph SSW
14. Other observations: Crop looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 14 Technician: Sergio

Date: 9/15/13. Weather: Sunny 88°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 88° Wind 10mphS
14. Other observations: Crop looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 14 Technician: Sergio

Date: 9/16/13. Weather: Sunny 87°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 87° Wind 4mphs
14. Other observations: Crop looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 14 Technician: Sergio

Date: 9/17/13 Weather: Sunny 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: Sunny 79° No Wind
14. Other observations: Crop looks GOOD

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily DURING-Application Inspection Observations:

Field No: # 14 Technician: Sergio

Date: 9/18/13 Weather: Sunny 82°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 82° Wind 15mph S
14. Other observations: Crop looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 14 Technician: Sergio

Date: 9/19/13 Weather: Sunny 89°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 89° Wind 13mph NE
14. Other observations: Crop looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 14 Technician: Sergio

Date: 9/20/13 Weather: Sunny 89°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 89° Wind 16mph SSW
14. Other observations: Crop looks good

LAND APPLICATION AREA MONITORING

Daily POST-Application Inspection Observations:

Field No: # 14 . Technician: Sergio

Date: 9/21/13 Weather: rainy 73°

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

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

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # 14 Technician: Sergio

Date: 9/25/13 Weather: Sunny 74°

1. Any evidence of erosion: yes / (no)
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential 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 74° Wind 5mph N
14. Other observations: Crop looks Good, Field Needed more water

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 14 Technician: Sergio

Date: 9/26/13 Weather: Sunny 78°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 78° Wind 10mphs
14. Other observations: Crop looks good, FIELD NEEDED more water

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 14 Technician: Sergio

Date: 9/27/13 Weather: Sunny 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: Sunny 79° Wind 12mphs SW
14. Other observations: Crop looks Good, FIELD NEEDED more water

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 14 Technician: Sergio

Date: 9/28/13 Weather: Sunny 78°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 78° Wind 13mph SW
14. Other observations: Crop looks Good, Field needed more water.

LAND APPLICATION AREA MONITORING

Daily **POST**-Application Inspection Observations:

Field No: # 14 . Technician: Sergio

Date: 9/29/13 Weather: Cloudy 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: Cloudy 73° Wind 10mph S
14. Other observations: Crop looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **POST**-Application Inspection Observations:

Field No: # 15 . Technician: Sergio

Date: 9/1/13 Weather: Sunny 89°

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

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

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 89° No Wind
14. Other observations: Crop looks GOOD

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # 15 Technician: Sergio

Date: 9/10/13 Weather: Sunny 90°

1. Any evidence of erosion: yes / (no)
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential 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 90° Wind 12mph SSW
14. Other observations: Crop looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 15 Technician: Sergio

Date: 9/11/13. Weather: cloudy 85°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pump working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Cloudy 85° Wind 9mph SSW
14. Other observations: Crop looks GOOD

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily DURING-Application Inspection Observations:

Field No: # 15 Technician: Sergio

Date: 9/12/13 Weather: Sunny 89°

1. Any evidence of erosion: yes / (no)
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential 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 89° wind 6mph SSW
14. Other observations: Crop looks good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: #15 Technician: Sergio

Date: 9/13/13 Weather: Sunny 87°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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/ 87° No wind
14. Other observations: Crop looks good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 15 Technician: Sergio

Date: 9/14/13. Weather: Sunny 89°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 89° Wind 4mph SSW
14. Other observations: Crop looks GOOD

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily DURING-Application Inspection Observations:

Field No: # 15 Technician: Sergio

Date: 9/15/13 Weather: Sunny 88°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 88° Wind 10mphs
14. Other observations: Crop looks Good

LAND APPLICATION AREA MONITORING

Daily **POST**-Application Inspection Observations:

Field No: # 15 . Technician: Sergio

Date: 9/16/13 Weather: Sunny 87°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 87° Wind 4mphs
14. Other observations: Crop looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 16/17 Technician: Sergio

Date: 9/1/13 Weather: Sunny 89°

1. Any evidence of erosion: yes / (no)
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential 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 89° No wind
14. Other observations: Crop looks GOOD

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 16|17 Technician: Sergio

Date: 9|2|13 Weather: Cloudy 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: Cloudy 76° wind 11mphS
14. Other observations: Crop looks GOOD

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 1617 Technician: Sergio

Date: 9/3/13 Weather: Sunny 85°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD _____
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 85° No Wind
14. Other observations: Crop looks GOOD

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 16/17 Technician: Sergio

Date: 9/4/13 Weather: Sunny 87°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 87° Wind 8mphS
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 16/17 Technician: Sergio

Date: 9/5/13 Weather: Sunny 85°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 85° Wind 6mph SSW
14. Other observations: Grass looks GOOD

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 16/17 Technician: Sergio

Date: 9/6/13 Weather: Sunny 92°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 92° Wind 13mph N
14. Other observations: Grass looks GOOD

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 16/17 Technician: Sergio

Date: 9/7/13 Weather: Sunny 89°

1. Any evidence of erosion: yes / (no)
2. Berm Condition GOOD
3. Standpipe and flow control valve condition U/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes (no)
9. Are there any accumulation of organic solids at soil surface: yes (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential 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 89° Wind 6mph N
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 16/17 Technician: Sergio

Date: 9/8/13 Weather: Sunny 99°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 99° Wind 6mph N
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 16/17 Technician: Sergio

Date: 9/9/13 Weather: Sunny 100°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 100° Wind 10mph W
14. Other observations: Grass looks Good

LAND APPLICATION AREA MONITORING

Daily POST-Application Inspection Observations:

Field No: # 16/17 Technician: Sergio

Date: 9/10/13 Weather: Sunny 90°

1. Any evidence of erosion: yes / (no)
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential 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 90° Wind 12mph SSW
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: #18ch1 Technician: Sergio

Date: 9/5/13 Weather: Sunny 85°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 85° wind 6mph SSW
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: 9/6/13 Weather: Sunny 92°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 92° Wind 13mph N
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: 9/7/13 Weather: Sunny 89°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 89° Wind 6mph N
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: 9/8/13 Weather: Sunny 99

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Cirt pump working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 99° wind 6mph N
14. Other observations: Pasture looks good

LAND APPLICATION AREA MONITORING

Daily POST-Application Inspection Observations:

Field No: # 18ch1 Technician: Sergio

Date: 9/9/13 Weather: Sunny 100°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 100° wind 10mph W
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: 9/20/13 Weather: Sunny 89°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 89° Wind Hemph 5500
14. Other observations: Crop looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 18&1 Technician: Sergio

Date: 9/21/13 Weather: Rainy 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: Rainy 73° No wind
14. Other observations: Crop looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 1&2&1 Technician: Sergio

Date: 9/22/13 Weather: Cloudy 60°

1. Any evidence of erosion: yes / (no)
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no)
12. Are there any insects: yes / (no)
13. Temperature and wind direction/strength: Cloudy 60° 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: 9/23/13 Weather: Sunny 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: Sunny 81° Wind 7mph WSW
14. Other observations: Pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 18chl Technician: Sergio

Date: 9/24/13 Weather: Sunny 84°

1. Any evidence of erosion: yes / no _____
2. Berm Condition _____
3. Standpipe and flow control valve condition _____
4. Are the valves being used properly: yes / no _____
5. Is there any soil saturation: yes / no _____
6. Is there any ponding: yes / no _____
7. Is there any potential runoff to off-site areas: yes / no _____
8. Is there any potential and actual discharge to surface water: yes / no _____
9. Are there any accumulation of organic solids at soil surface: yes / no _____
10. Is there any soil clogging: yes / no _____
11. Are there any odors that have the potential 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 84° wind 10mph WNW
14. Other observations: Crop looks good being irrigated with little water

LAND APPLICATION AREA MONITORING

Daily **POST**-Application Inspection Observations:

Field No: # 18ch1 Technician: Sergio

Date: 9/25/13 Weather: Sunny 74

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 74° Wind 5mph N
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: 9/8/13 Weather: Sunny 99°

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

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

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 99° Wind 6mph N
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: 9/9/13 Weather: Sunny 100°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 100° Wind 10mph W
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: 9/10/13 Weather: Sunny 90°

1. Any evidence of erosion: yes / (no)
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential 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 90° Wind 12mph SSW
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: 9/11/13 Weather: cloudy 85°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD _____
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Cloudy 85° wind 9mph SSW
14. Other observations: Pasture looks good

LAND APPLICATION AREA MONITORING

Daily **POST**-Application Inspection Observations:

Field No: # 18&2 Technician: Sergio

Date: 9/12/13 Weather: Sunny 89°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 89° wind 6mph SSW
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: 9/24/13 Weather: Sunny 84°

1. Any evidence of erosion: yes / (no)
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential 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 84° Wind 10mph WNW
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: 9/25/13. Weather: Sunny 74°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 74° Wind 5mph N
14. Other observations: Pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 18c12 Technician: Sergio

Date: 9/26/13 Weather: Sunny 78°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 78° Wind 10mph S
14. Other observations: Pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 18&2 Technician: Sergio

Date: 9/27/13 Weather: Sunny 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: Sunny 79° wind 12mph SW
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: 9/28/13 Weather: Sunny 78°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pump working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 78° wind 13mph SW
14. Other observations: Pasture looks Good

LAND APPLICATION AREA MONITORING

Daily **POST**-Application Inspection Observations:

Field No: # 18ch2 Technician: Sergio

Date: 9/29/13 Weather: Cloudy 73°

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

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

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 20chl Technician: Sergio

Date: 9/1/13 Weather: Sunny 89°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 89° No wind
14. Other observations: Grass looks GOOD

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 20cw1 Technician: Sergio

Date: 9/2/13 Weather: Cloudy 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: Cloudy 76° Wind 11mph S
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: 9/3/13 Weather: Sunny 85°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 85° No wind
14. Other observations: Grass looks Good

MORNING STAR

Excellence Through Conservation

LAND APPLICATION AREA MONITORING

Daily POST-Application Inspection Observations:

Field No: # 20ch1 Technician: Sergio

Date: 9/4/13 Weather: Sunny 87°

1. Any evidence of erosion: yes / (no)
2. Berm Condition GOOD
3. Standpipe and flow control valve condition NIA Lift pumps working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential 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 87° Wind 8mphS
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: 9/3/13 Weather: Sunny 85°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 85° 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: 9/4/13 Weather: Sunny 87°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 87° Wind 8mphS
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: 9/5/13 Weather: Sunny 85°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 85° Wind 6mph SSW
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: 9/6/13 Weather: Sunny 92°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 92° wind 13mph N
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: 9/7/13 Weather: Sunny 89°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 89° Wind 10mph N
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 2062 Technician: Sergio

Date: 9/8/13 Weather: Sunny 99°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 99° Wind 6mph N
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: 9/9/13. Weather: Sunny 100°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 100° Wind 10mph W
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: 9/10/13 Weather: Sunny 90°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working _____
4. Are the valves being used properly (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes (no) _____
7. Is there any potential runoff to off-site areas: yes (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes (no) _____
11. Are there any odors that have the potential 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 90° wind 12mph SSW
14. Other observations: Grass looks Good

LAND APPLICATION AREA MONITORING

Daily **POST**-Application Inspection Observations:

Field No: # 20ch2 Technician: Sergio

Date: 9/11/13 Weather: Cloudy 85°

1. Any evidence of erosion: yes / (no)
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pump working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no)
12. Are there any insects: yes / (no)
13. Temperature and wind direction/strength: Cloudy 85° wind 9mph SSW
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: 9/10/13 Weather: Sunny 90°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 90° Wind 12mph SSW
14. Other observations: Crop looks Good, Field really dry

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily DURING-Application Inspection Observations:

Field No: # 21 Technician: Sergio

Date: 9/11/13 Weather: Cloudy 85°

1. Any evidence of erosion: yes / (no)
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no)
12. Are there any insects: yes / (no)
13. Temperature and wind direction/strength: Cloudy 85° Wind 9mph SSW
14. Other observations: Crop looks Good, FIELD really dry

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 21 Technician: Sergio

Date: 9/12/13 Weather: Sunny 89°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 89° Wind 6mph SSW
14. Other observations: Grass looks Good, FIELD really dry

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily DURING-Application Inspection Observations:

Field No: # 21 Technician: Sergio

Date: 9/13/13 Weather: Sunny 87°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 87° No wind
14. Other observations: Grass looks Good, Field really dry

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily DURING-Application Inspection Observations:

Field No: # 21 Technician: Sergio

Date: 9/14/13 Weather: Sunny 89°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 89° Wind 4mph SSW
14. Other observations: Grass looks Good, FIELD Really dry taking alot of water

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily DURING-Application Inspection Observations:

Field No: # 21 Technician: Sergio

Date: 9/15/13 Weather: Sunny 88°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 88° wind 10mph S
14. Other observations: Grass looks Good, Field Really dry taking alot of water

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily DURING-Application Inspection Observations:

Field No: # 21 Technician: Sergio

Date: 9/16/13. Weather: Sunny 87°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 87° Wind 4mphS
14. Other observations: Grass looks Good, FIELD really dry taking all the water

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily DURING-Application Inspection Observations:

Field No: # 21 Technician: Sergio

Date: 9/17/13 Weather: Sunny 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: Sunny 79° No Wind
14. Other observations: Grass looks Good, FIELD Really Dry taking all the water

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 21 Technician: Sergio

Date: 9/18/13 Weather: Sunny 82°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A CIA pumps working
4. Are the valves being used properly (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 82° Wind 15MPH
14. Other observations: Crop looks GOOD, FIELD Really dry taking all the water.

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 21 Technician: Sergio

Date: 9/19/13 Weather: Sunny 89°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition NA Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 89° Wind 13mph NE
14. Other observations: Crop looks Good; Field Really Dry

LAND APPLICATION AREA MONITORING

Daily POST-Application Inspection Observations:

Field No: # 21 . Technician: Sergio

Date: 9/20/13 Weather: Sunny 89°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 89° wind 11mph SSW
14. Other observations: Crop looks GOOD, FIELD DONE

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 24ch1. Technician: Sergio

Date: 9/1/13. Weather: Sunny 89°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Gift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 89° No Wind
14. Other observations: pasture looks Good

LAND APPLICATION AREA MONITORING

Daily **POST**-Application Inspection Observations:

Field No: # 24ch1 Technician: Sergio

Date: 9/2/13 Weather: Cloudy 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: Cloudy 76° Wind 11mph S
14. Other observations: Pasture looks GOOD

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # 24ch1 Technician: Serigo

Date: 9/20/13 Weather: Sunny 89°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 89° wind 11mphSSW
14. Other observations: Crop looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 24ch1 Technician: Sergio

Date: 9/21/13 Weather: Rainy 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: Rainy 73° No wind
14. Other observations: Pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 24ch2 Technician: Sergio

Date: 9/22/13 Weather: Cloudy 60°

1. Any evidence of erosion: yes / (no)
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no)
12. Are there any insects: yes / (no)
13. Temperature and wind direction/strength: Cloudy 60° 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: 9/23/13 Weather: Sunny 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: Sunny 81° wind 7mph WSW
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: 9/24/13 Weather: Sunny 84°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pump Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 84° Wind 10mph WNW
14. Other observations: Crop looks Good. Very little water

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 24 ch 1 Technician: Sergio

Date: 9/25/13 Weather: Sunny 74°

1. Any evidence of erosion: yes / (no)
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential 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 74° Wind 5mph N
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: 9/26/13 Weather: Sunny 78°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps look Good
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 78° Wind 10mphs
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: 9/27/13 Weather: Sunny 79°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps look Good
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 79° Wind 12mph SW
14. Other observations: Pasture looks Good

LAND APPLICATION AREA MONITORING

Daily **POST**-Application Inspection Observations:

Field No: # 24ch1 Technician: Sergio

Date: 9/28/13 Weather: Sunny 78°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # 24/ch2 Technician: Sergio

Date: 9/11/13 Weather: Sunny 89

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

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

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 89° 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: 9/2/13 Weather: Cloudy 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: Cloudy 76° wind 11mphS
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: 9/3/13 Weather: Sunny 85°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pumps Waking
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 85° 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: 9/4/13 Weather: Sunny 87°

1. Any evidence of erosion: yes (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 87° Wind 8mphS
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: 9/5/13 Weather: Sunny 85°

1. Any evidence of erosion: yes / (no)
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential 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 85° Wind Comp SSW
14. Other observations: Pasture looks Good

LAND APPLICATION AREA MONITORING

Daily **POST**-Application Inspection Observations:

Field No: # 24ch2 Technician: Sergio

Date: 9/6/13 Weather: Sunny 92°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 92° Wind 13mph N
14. Other observations: Pasture look Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # 24ch2 Technician: Sergio

Date: 9/27/13 Weather: Sunny 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: Sunny 79° wind 12mph SW
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: 9/28/13 Weather: Sunny 78°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pump working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 78° Wind 13mph SW
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: 9/29/13 Weather: Cloudy 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: Cloudy 73° wind 10mphs
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: 9/30/13 Weather: cloudy 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: Cloudy 77° wind 11mph SSW
14. Other observations: Pasture looks Good