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: GJC

Logged in as received: 10/3/2013 SHM

Logged in as 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 AUGUST

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

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

Annual Monitoring Report for the year _____

Violation Notification

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

1. The violations were: N/A

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: 10/1/13

RECEIVED
SACRAMENTO
CVRWQCB
2013 OCT -2 PM 2:25

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

30 September 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 August monthly monitoring data relative to Order No. 95-160 with all applicable information.

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

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

Respectfully yours,

Ross Oliveira

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

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

Time Period: August 1, 2013 to August 31, 2013, retrieved on September 13, 2013
Note: Only 86% of requested data were available from station COLUSA.A. See retrieval table.

DATE	OBS TIME	PRECIP AMOUNT & TYPE	AIR TEMPERATURE			WIND		ETo	SOL RAD	SOIL T		WX	RELATIVE HUMIDITY		BULB TEMP		PAN EVAP
			MAX	MIN	OBS	DD	SS			MAX	MIN		MAX	MIN	WET	DRY	
MM DD YYYY	HH:MM	(IN) *	(F) *		*		*	(IN) *	(LY) *	(F) *		*		*	(F)	*	(IN) *
08-01-2013	23:59	0.00	86	58		0	0		643	74	71		80.0	32.0			
08-02-2013	23:59	0.00	92	55		0	0		640	78	71		97.0	25.0			
08-03-2013	23:59	0.00	90	56		0	0		632	76	72		94.0	28.0			
08-04-2013	23:59	0.00	89	56		0	0		641	75	72		93.0	27.0			
08-05-2013	23:59	0.00	89	54		0	0		645	75	72		95.0	25.0			
08-06-2013	23:59	0.00	85	53		0	0		557	75	72		93.0	36.0			
08-07-2013	23:59	0.00	80	56		0	0		619	74	72		93.0	52.0			
08-08-2013	23:59	0.00	83	56		0	0		603	74	72		98.0	38.0			
08-09-2013	23:59	0.00	83	56		0	0		604	74	71		92.0	40.0			
08-10-2013	23:59	0.00	85	57		0	0		596	74	72		94.0	39.0			
08-11-2013	23:59	0.00	88	57		0	0		598	74	72		95.0	35.0			
08-12-2013	23:59	0.00	89	57		0	0		598	75	72		88.0	27.0			
08-13-2013	23:59	0.00	94	56		0	0		618	75	72		97.0	26.0			
08-14-2013	23:59	0.00	94	58		0	0		609	75	72		86.0	24.0			
08-15-2013	23:59	0.00	93	60		0	0		604	75	72		93.0	35.0			
08-16-2013	23:59	0.00	94	74		0	0		658	78	74		91.0	32.0			
08-17-2013	23:59	0.00	97	62		0	0		566	85	71		78.0	32.0			
08-18-2013	23:59	0.00	98	64		0	0		567	84	80		90.0	32.0			
08-19-2013	23:59	0.00	92	69		0	0		237	83	80		93.0	50.0			
08-20-2013	23:59	0.00	94	69		0	0		506	82	78		75.0	38.0			
08-21-2013	23:59	0.00	88	64		0	0		552	82	78		79.0	35.0			
08-22-2013	23:59	0.00	88	60		0	0		566	80	76		81.0	36.0			
08-23-2013	23:59	0.00	88	55		0	0		573	79	75		92.0	35.0			
08-24-2013	23:59	0.00	86	60		0	0		544	79	75		84.0	39.0			
08-25-2013	23:59	0.00	87	63		0	0		552	78	75		92.0	35.0			
08-26-2013	23:59	0.00	88	59		0	0		574	78	75		94.0	32.0			
08-27-2013	23:59	0.00	90	54		0	0		570	78	75		97.0	29.0			
08-28-2013	23:59	0.00	90	61		0	0		560	78	74		88.0	31.0			
08-29-2013	23:59	0.00	90	63		0	0		555	78	75		92.0	37.0			
08-30-2013	23:59	0.00	95	60		0	0		551	79	75		95.0	31.0			
08-31-2013	23:59	0.00	94	61		0	0		560	79	75		82.0	29.0			

31 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
8/5/2013	6.36	2.71	1.4	582	347	Good	Blue/Green	None
8/12/2013	7.45	2.79	1.3	575	343	Good	Blue/Green	None
8/19/2013	7.25	2.83	1.1	575	343	Good	Blue/Green	None
8/26/2013	7.90	2.92	1.3	567	338	Good	Blue/Green	None
Average	**7.24**	**2.81**	**1.3**	**575**	**343**			

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

Settling Pond Monitoring by Morning Star

Date	pH	Freeboard (ft)	DO mg/l	EC umhos/cm	Levee Condition	Water Color	Odors
8/5/2013	5.08	3.17	3.7	1,107	Good	Brown/Red	Minimal Tomato
8/12/2013	6.03	3.17	3.8	874	Good	Brown/Red	Minimal Tomato
8/19/2013	6.17	3.17	2.3	859	Good	Brown	Minimal Tomato
8/26/2013	6.18	3.33	3.9	860	Good	Brown/Red	Minimal Tomato
Average	**5.87**	**3.21**	**3.4**	**925**			

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
8/5/2013	5.34	1,120	740	640	34.0	1,115	0.0	0.0	75.6
8/12/2013	6.23	858	610	52	12.0	752	1.9	8.4	156.0
8/19/2013	4.60	1,132	724	640	3.0	444	0.0	0.0	127.8
8/26/2013	5.50	1,120	976	758	2.8	277	2.2	9.5	79.2
Average	**5.42**	**1,058**	**763**	**523**	**13.0**	**647**	**1.0**	**4.5**	**109.7**

MORNING STAR

"Excellence Through Commitment"

Field Log: CP/SP # 32 Technician: Sergio

Date: 6/5/13 Weather: Sunny 73°

COOLING POND

pH: 6.36 EC: 582.4 µmhos/cm Temp: 32.2 °C ____ °F

Freeboard: 32 1/2 inches Time: 0810 (0700-0900 hours)

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

Levee Condition: GOOD

Water Color: Blue / Green

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

Other Observations: Moss screen working

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

SETTLING POND

pH: 5.08 EC: 1107 µmhos/cm Temp: 28.9 °C ____ °F

Freeboard: 38 inches Time: 0750 (0700-0900 hours)

HQ10 Hach Portable LDO Dissolved Oxygen Meter (Probe) RESULT: 3.7

Levee Condition: Good

Water Color: Brown / RED

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

Other Observations: Aerator running

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

MORNING STAR

"Excellence Through Commitment"

Field Log: CP/SP # 33 Technician: Sergio

Date: 8/12/13 Weather: Sunny 77°

COOLING POND

pH: 7.45 EC: 575.3 µmhos/cm Temp: 31.6 °C ____ °F

Freeboard: 33 1/2 inches Time: 0735 (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: NA Characteristics: N/A

Other Observations: Moss screen running

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

SETTLING POND

pH: 6.03 EC: 873.6 µmhos/cm Temp: 27.1 °C ____ °F

Freeboard: 38 inches Time: 0755 (0700-0900 hours)

HQ10 Hach Portable LDO Dissolved Oxygen Meter (Probe) RESULT: 3.8

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 # 34 Technician: Sergio

Date: 8/19/13 Weather: Cloudy 93°

COOLING POND

pH: 7.25 EC: 575.1 µmhos/cm Temp: 37.7 °C ____ °F

Freeboard: 34 inches Time: 0850 (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: NA Characteristics: NA

Other Observations: Moss screen running

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

SETTLING POND

pH: 6.17 EC: 859.3 µmhos/cm Temp: 32.3 °C ____ °F

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

HQ10 Hach Portable LDO Dissolved Oxygen Meter (Probe) RESULT: 2.3

Levee Condition: GOOD

Water Color: Brown

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 # 35 Technician: Sergio

Date: 8/26/13 Weather: Sunny 89°

COOLING POND

pH: 7.90 EC: 567.1 µmhos/cm Temp: 32.4 °C ____ °F

Freeboard: 35 inches Time: 0840 (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 Screening working

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

SETTLING POND

pH: 6.18 EC: 859.6 µmhos/cm Temp: 28.9 °C ____ °F

Freeboard: 40 inches Time: 0850 (0700-0900 hours)

HQ10 Hach Portable LDO Dissolved Oxygen Meter (Probe) RESULT: 3.9

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

mike O

RECEIVED
AUG 14 2013
By

Analytical Laboratory Report

State DHS Cert. # 1419

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

Sample ID #	: Settling Pond
Sample Matrix	: Effluent
Sampling Date	: 8/5/2013
Date Received	: 8/5/2013
Sampled By	: client
Sample Lab. #	: 08052013
Date Reporting	: 8/10/2013

Analyte	Method #	RL(mg/l)	Sample Results(mg/l)
Settling Pond			
PH	SM 4500-H B	1-14	5.34
EC	SM 2510-B	1.0 umhos/cm	1120.
Total Dissolved Solid (TDS)	SM 2540-D	5.00	740.
Fixed Dissolved Solid (FDS)	SM 2540-E	5.00	640.
Settleable Solid (SS)	SM 2540-F	1.0 ml/l/hr	34.
(BOD)5-day	SM 5210-B	0.20	1115.
Nitrate as Nitrogen(N-NO3)	SM 4500-NO3E	0.10	ND
Nitrate (NO3)	SM 4500-NO3E	0.40	ND
Total Kjeldahl Nitrogen (TKN)	SM 4500-N C	1.00	75.6

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

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

CHAIN OF CUSTODY REPORT

CLIENT: The Morning Star Lemoore Company

ADDRESS: 2811 Old Hwy 49
Williams CA 95987

PHONE: (530) 473-3600

PROJECT NAME/SITE: Morning Star

SAMPLER: Sergio Cervantes

DATE: 8/5/13

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
~~[illegible]~~						
SP1	Settling Pond 1	1	BTL	0750 / 8/5/13	Waste Water	
SP2	Settling Pond 2	1	BTL	0752 / 8/15/13	Discharge	

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
Sergio Cervantes	8/5/13	0850	[illegible]
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
RELINQUISHED BY:	DATE:	TIME:	RECEIVED IN LAB BY:

TRAVEL TIME:

ON SITE TIME:

OTHER:

WERE SAMPLES:	YES	NO
PRESERVED?		
IN GOOD CONDITION?		

Nachtmann Analytical Laboratory, Inc.

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E mail: Nachtmannlab@yahoo.com

AUG 23 2013

Analytical Laboratory Report

State DHS Cert. # 1419

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

Sample ID #	: Settling Pond
Sample Matrix	: Effluent
Sampling Date	: 8/12/2013
Date Received	: 8/12/2013
Sampled By	: client
Sample Lab. #	: 08122013
Date Reporting	: 8/19/2013

Analyte	Method #	RL(mg/l)	Sample Results(mg/l)
Settling Pond			
PH	SM 4500-H B	1-14	6.23
EC	SM 2510-B	1.0 umhos/cm	858.
Total Dissolved Solid (TDS)	SM 2540-D	5.00	610.
Fixed Dissolved Solid (FDS)	SM 2540-E	5.00	52.0
Settleable Solid (SS)	SM 2540-F	1.0 ml/l/hr	12.0
(BOD) 5-day	SM 5210-B	0.20	752.
Nitrate as Nitrogen(N-NO3)	SM 4500-NO3E	0.10	1.90
Nitrate (NO3)	SM 4500-NO3E	0.40	8.40
Total Kjeldahl Nitrogen (TKN)	SM 4500-N C	1.00	156.

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

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

CHAIN OF CUSTODY REPORT

CLIENT: The Morning Star Company

ADDRESS: 2211 old hwy 99 Williams CA 95987

PHONE: 530-473-3600

PROJECT NAME/SITE: Morning Star

SAMPLER: Sean Crowder

DATE: 8/12/13

REPORT TO:

BILLING TO:

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

PO#/BILLING REFERENCE:

ANALYSIS REQUESTED

SAMPLE ID#/ STATION	SAMPLE DESCRIPTION	NUMBER OF CONT.	TYPE CONT.	SAMPLING TIME/DATE	REMARKS	SAMPLE NUMBER
SW1	settling pond 1	1	BTL	0735/8-12-13	Waste Water Discharge	
SW2	settling pond 2	1	BTL	0736/8-12-13		

RELINQUISHED BY: Sean Crowder — DATE: 8-12-13 TIME: 1400

RECEIVED BY:

RELINQUISHED BY:

DATE: TIME:

RECEIVED BY:

RELINQUISHED BY:

DATE: TIME:

RECEIVED IN LAB BY:

TRAVEL TIME:

ON SITE TIME:

OTHER:

WERE SAMPLES:	YES	NO
PRESERVED?		
IN GOOD CONDITION?		

Nachtmann Analytical Laboratory, Inc.

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RECEIVED
AUG 30 2013
By

Analytical Laboratory Report

State DHS Cert. # 1419

Clinet :
Morning Star Packing Co.
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 2211
Sampled By : Client
Sample Matrix: Effluent
Sampling Date: 8/19/2013
Date Received : 8/19/2013
Sample Lab. # : 08192013

Date Reporting : 8/25/2013

Analyte	Method #	RL(mg/l)	Sample Results(mg/l)
PH	SM 4500-H B	1-14	4.60
EC	SM 2510-B	1.0 umhos/cm	1132.umhos/cm
Total Dissolved Solid (TDS)	SM 2540-D	5.0	724.
Fixed Dissolved Solid (FDS)	SM 2540-E	5.0	640.
Settleable Solid (SS)	SM 2540-F	1.0ml/l/hr	3.00
(BOD) 5-day	SM 5210-B	0.20	444.
Nitrate as Nitrogen(N-NO3)	SM 4500-NO3E	0.10	ND
Nitrate (NO3)	SM 4500-NO3E	0.40	ND
Total Kjeldahl Nitrogen (TKN)	SM 4500-N C	1.00	127.8

N/A This analysis

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

Nachtmann Analytical Laboratory, Inc.

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CHAIN OF CUSTODY REPORT

CLIENT: The Morning Star tomatoe Company
ADDRESS: 2211 old Hwy 99
Williams CA 95987
PHONE: 530 473 3600

REPORT TO:

BILLING TO:

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

PROJECT NAME/SITE: Morning Star

PO#/BILLING REFERENCE:

SAMPLER: Sergio

DATE: 8/19/13

ANALYSIS REQUESTED

SAMPLE ID#/ STATION	SAMPLE DESCRIPTION	NUMBER OF CONT.	TYPE CONT.	SAMPLING TIME/DATE	REMARKS	SAMPLE NUMBER
SP1	Settling Pond 1	1	BTL	11:45 / 8-19-13	Waste Water Discharge	
SP2	Settling Pond 2	1	BTL	11:45 / 8-19-13		

	DATE:	TIME:		
RELINQUISHED BY: Sergio Cervantes	8-19-13	1300	RECEIVED BY:	TRAVEL TIME:
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	ON SITE TIME:
				OTHER:
RELINQUISHED BY:	DATE:	TIME:	RECEIVED IN LAB BY:	WERE SAMPLES: PRESERVED? IN GOOD CONDITION?

	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 :
Morning Star Packing Company.
2211 Old HWY 99
Williams, CA. 95987
Attn: Ross Oliveira
Date Reporting : 8/31/2013

CC:
Liberty packing
12045 South Ingmar Grade Rd.
Los Banos, CA. 93685
Attn: Mike Oliveira

Sample ID # : Settling Pond
.Sample Matrix: Effluent
Sampling Date: 8/26/2013
Date Received : 8/26/2013
Sampled By : Client
Sample Lab. # : 08262013

Analyte	Method #	RL(mg/l)	Sample Results(mg/l)
Settling Pond			
PH	SM 4500-H B	1-14	5.50
EC	SM 2510-B	1.0 umhos/cm	1120.
Total Dissolved Solid (TDS)	SM 2540-D	5.0	976.
Fixed Dissolved Solid (FDS)	SM 2540-E	5.0	758.
Settleable Solid	SM 2540-F	1.0ml/l/hr	2.8
(BOD) 5-day	SM 5210-B	0.2	277.
Nitrate as Nitrogen(N-NO3)	SM 4500-NO3E	0.10	2.15
Nitrate (NO3)	SM 4500-NO3E	0.4	9.50
Total Kjeldahl Nitrogen (TKN)	SM 4500-N C	1.0	79.2

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

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

CHAIN OF CUSTODY REPORT

CLIENT:

ADDRESS:

PHONE:

PROJECT NAME/SITE:

SAMPLER: DATE:

REPORT TO:

BILLING TO:

TURNAROUND TIME:

8 HR.

24 HR. 48 HR. 72 HR.

5 DAY 10 DAY 15 DAY

PO#/BILLING REFERENCE:

ANALYSIS REQUESTED

SAMPLE ID#/ STATION	SAMPLE DESCRIPTION	NUMBER OF CONT.	TYPE CONT.	SAMPLING TIME/DATE	REMARKS	SAMPLE NUMBER

RELINQUISHED BY: DATE: TIME: RECEIVED BY:

RELINQUISHED BY: DATE: TIME: RECEIVED BY:

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

TRAVEL TIME:

ON SITE TIME:

OTHER:

WERE SAMPLES:	YES	NO
PRESERVED?		
IN GOOD CONDITION?		

The Morning Star Packing Company
Washwater and Fresh Water Flows to Fields
August-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
8/1/2013	15min. Intervals	744	1,071,328			1,609	2,316,821	
8/2/2013	15min. Intervals	812	1,168,760			1,624	2,337,891	
8/3/2013	15min. Intervals	798	1,149,093			1,596	2,298,562	
8/4/2013	15min. Intervals	754	1,086,070			1,578	2,272,473	
8/5/2013	15min. Intervals	786	1,131,372			1,758	2,531,561	
8/6/2013	15min. Intervals	669	962,980			1,456	2,096,789	
8/7/2013	15min. Intervals	609	876,995			1,399	2,014,825	
8/8/2013	15min. Intervals	677	975,366			1,461	2,103,839	
8/9/2013	15min. Intervals	1,422	2,047,457			1,623	2,337,466	
8/10/2013	15min. Intervals	1,605	2,311,084			1,575	2,267,494	
8/11/2013	15min. Intervals	1,616	2,326,717			1,566	2,254,590	
8/12/2013	15min. Intervals	1,651	2,377,307			1,648	2,373,222	
8/13/2013	15min. Intervals	1,636	2,355,198			1,608	2,316,162	
8/14/2013	15min. Intervals	1,634	2,352,992			1,633	2,352,091	
8/15/2013	15min. Intervals	1,286	1,851,210			1,622	2,336,279	
8/16/2013	15min. Intervals	978	1,408,279			1,452	2,090,925	
8/17/2013	15min. Intervals	1,128	1,624,575			1,553	2,236,195	
8/18/2013	15min. Intervals	1,244	1,790,667			1,661	2,391,980	
8/19/2013	15min. Intervals	1,352	1,947,241			1,749	2,518,728	
8/20/2013	15min. Intervals	1,337	1,925,308			1,802	2,595,425	
8/21/2013	15min. Intervals	1,286	1,851,561			1,878	2,705,014	
8/22/2013	15min. Intervals	1,260	1,813,940			1,742	2,508,574	
8/23/2013	15min. Intervals	1,299	1,870,478			1,786	2,571,959	
8/24/2013	15min. Intervals	1,259	1,812,958			1,795	2,584,744	
8/25/2013	15min. Intervals	1,320	1,900,278			1,814	2,612,816	
8/26/2013	15min. Intervals	1,365	1,966,242			1,707	2,457,944	
8/27/2013	15min. Intervals	1,034	1,488,390			1,642	2,365,022	
8/28/2013	15min. Intervals	962	1,384,644			1,595	2,297,066	
8/29/2013	15min. Intervals	963	1,386,375			1,675	2,411,952	
8/30/2013	15min. Intervals	1,013	1,458,474			1,658	2,387,057	
8/31/2013	15min. Intervals	1,065	1,533,950			1,705	2,454,596	
Average		1,147	1,651,848			1,644	2,367,744	
Minimum		609	876,995			1,399	2,014,825	
Maximum		1,651	2,377,307			1,878	2,705,014	

* 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
Irrigation Cycle Calculations

Field	Acreage	Cycle Start Date	Cycle End Date	Days/Cycle	BOD Applied (lbs/acre)	Cycle Average BOD (lbs/acre-day)
MS 1	95.0					
MS 2/3	82.1	7/12/2013	8/10/2013	29	538	19
MS 5	24.6	7/24/2013	8/25/2013	32	1053	33
MS 6	21.4	7/24/2013	8/24/2013	31	882	28
MS 11	35.6	7/23/2013	8/8/2013	16	1190	74
MS 14	44.5	7/18/2013	8/14/2013	27	717	27
MS 15	26.7	7/30/2013	8/23/2013	24	855	36
MS 18 Ch1	39.1	7/25/2013	8/20/2013	26	933	36
MS 18 Ch2	39.1	7/31/2013	8/23/2013	23	604	26
MS 20 Ch1	32.3	7/17/2013	8/3/2013	17	316	19
MS 20 Ch2	32.3	7/20/2013	8/11/2013	22	360	16
MS 21	25.9	7/17/2013	8/8/2013	22	813	37
MS 24 Ch1	79.9	7/12/2013	7/29/2013	17	538	32
MS 24 Ch2	79.9	7/18/2013	8/4/2013	17	702	41
MS 24 Ch2	79.9	8/5/2013	8/22/2013	17	651	38

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	0	0.00	1,149	677	94.7	0	0.00	352	0	0.00	0.00
2	0	0.00	1,149	677	94.7	0	0.00	352	0	0.00	0.00
3	0	0.00	1,149	677	94.7	0	0.00	352	0	0.00	0.00
4	0	0.00	1,149	677	94.7	0	0.00	352	0	0.00	0.00
5	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
6	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
7	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
8	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
9	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
10	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
11	1,289,010	0.58	1,137	667	78.3	0	0.00	350	0	0.00	0.00
12	1,107,684	0.50	838	653	102.9	0	0.00	346	0	0.00	0.00
13	1,081,051	0.48	838	653	102.9	0	0.00	346	0	0.00	0.00
14	1,097,821	0.49	838	653	102.9	0	0.00	346	0	0.00	0.00
15	803,218	0.36	838	653	102.9	0	0.00	346	0	0.00	0.00
16	718,865	0.32	838	653	102.9	0	0.00	346	0	0.00	0.00
17	768,809	0.34	838	653	102.9	0	0.00	346	0	0.00	0.00
18	822,368	0.37	838	653	102.9	0	0.00	346	0	0.00	0.00
19	1,001,393	0.45	770	691	120.4	0	0.00	345	0	0.00	0.00
20	1,031,886	0.46	770	691	120.4	0	0.00	345	0	0.00	0.00
21	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
22	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
23	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
24	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
25	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
26	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00
27	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00
28	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00
29	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00
30	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00
31	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00
	9,722,104	4.35				0	0.00		0	0.00	0.00
	29.8	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**
0.58	12,230	**149**	842	**10**	7,174	**87**
0.50	7,746	**94**	951	**12**	6,036	**74**
0.48	7,559	**92**	928	**11**	5,891	**72**
0.49	7,677	**94**	943	**11**	5,982	**73**
0.36	5,617	**68**	690	**8**	4,377	**53**
0.32	5,027	**61**	617	**8**	3,917	**48**
0.34	5,376	**65**	660	**8**	4,189	**51**
0.37	5,751	**70**	706	**9**	4,481	**55**
0.45	6,434	**78**	1,006	**12**	5,774	**70**
0.46	6,630	**81**	1,037	**13**	5,950	**72**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
4.35	70,047	**27 Ave.**	8,380	**102 Total**	53,771	**655 Tot**

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		
Total	**160 lbs/acre**	**1,015 lbs/acre**

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

LAND APPLICATION AREA: M.S. 5 24.6 acres

Day	Settling Pond Effluent Applied (gal)	Settling Pond Effluent Applied (in)	BOD Ave. Applied (mg/l)	TDS Ave. Applied (mg/l)	Nitrogen Ave. Applied (mg/l)	Cooling Pond Effluent Applied (gal)	Cooling Pond Effluent Applied (in)	TDS Ave. Applied (mg/l)	Fresh Irrigation (gal)	Fresh Irrigation (in)	Rainfall (in)
1	0	0.00	1,149	677	94.7	0	0.00	352	0	0.00	0.00
2	0	0.00	1,149	677	94.7	0	0.00	352	0	0.00	0.00
3	0	0.00	1,149	677	94.7	0	0.00	352	0	0.00	0.00
4	0	0.00	1,149	677	94.7	0	0.00	352	0	0.00	0.00
5	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
6	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
7	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
8	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
9	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
10	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
11	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
12	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
13	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
14	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
15	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
16	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
17	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
18	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
19	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
20	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
21	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
22	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
23	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
24	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
25	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
26	204,782	0.31	491	770	122.4	0	0.00	341	0	0.00	0.00
27	239,937	0.36	491	770	122.4	0	0.00	341	0	0.00	0.00
28	223,213	0.33	491	770	122.4	0	0.00	341	0	0.00	0.00
29	184,450	0.28	491	770	122.4	0	0.00	341	0	0.00	0.00
30	194,042	0.29	491	770	122.4	0	0.00	341	0	0.00	0.00
31	204,084	0.31	491	770	122.4	0	0.00	341	0	0.00	0.00
	1,250,509	1.88				0	0.00		0	0.00	0.00
	3.8	ac-ft				0.0	ac-ft		0.0	ac-ft	0.0
Percent of Total =	100%					0%			0%		

Hydraulic Loading (in)	BOD Loading Total Weight (lbs/day)	BOD Loading Applied (lbs/ac/day)	Nitrogen Loading Total (lbs/day)	Nitrogen Loading Applied (lbs/ac/month)	TDS Loading Total (lbs/day)	TDS Loading Applied (lbs/ac/month)
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.31	839	34	209	8	1,316	53
0.36	983	40	245	10	1,542	63
0.33	915	37	228	9	1,434	58
0.28	756	31	188	8	1,185	48
0.29	795	32	198	8	1,247	51
0.31	836	34	208	8	1,311	53
1.88	5,124	6 Ave.	1,276	52 Total	8,035	327 Total

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		
Total	**132 lbs/acre**	**876 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)
1	0	0.00	1,149	677	94.7	0	0.00	352	0	0.00	0.00
2	0	0.00	1,149	677	94.7	0	0.00	352	0	0.00	0.00
3	0	0.00	1,149	677	94.7	0	0.00	352	0	0.00	0.00
4	0	0.00	1,149	677	94.7	0	0.00	352	0	0.00	0.00
5	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
6	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
7	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
8	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
9	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
10	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
11	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
12	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
13	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
14	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
15	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
16	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
17	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
18	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
19	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
20	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
21	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
22	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
23	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
24	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
25	192,183	0.33	770	691	120.4	0	0.00	345	0	0.00	0.00
26	178,144	0.31	491	770	122.4	0	0.00	341	0	0.00	0.00
27	208,726	0.36	491	770	122.4	0	0.00	341	0	0.00	0.00
28	194,177	0.33	491	770	122.4	0	0.00	341	0	0.00	0.00
29	160,457	0.28	491	770	122.4	0	0.00	341	0	0.00	0.00
30	168,801	0.29	491	770	122.4	0	0.00	341	0	0.00	0.00
31	177,537	0.31	491	770	122.4	0	0.00	341	0	0.00	0.00
	1,280,024	1.90				0	0.00		0	0.00	0.00
	3.9	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 Applied (lbs/ac/day)	Nitrogen Loading Total (lbs/day)	Nitrogen Loading Applied (lbs/ac/month)	TDS Loading Total (lbs/day)	TDS Loading Applied (lbs/ac/month)
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.33	1,235	58	193	9	1,108	52
0.31	730	34	182	9	1,145	54
0.36	855	40	213	10	1,341	63
0.33	796	37	198	9	1,248	58
0.28	657	31	164	8	1,031	48
0.29	692	32	172	8	1,085	51
0.31	727	34	181	8	1,141	53
1.90	4,965	8 Ave.	1,122	52 Total	6,958	325 Tr

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		
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)
1	0	0.00	1,149	677	94.7	0	0.00	352	0	0.00	0.00
2	0	0.00	1,149	677	94.7	0	0.00	352	0	0.00	0.00
3	0	0.00	1,149	677	94.7	0	0.00	352	0	0.00	0.00
4	0	0.00	1,149	677	94.7	0	0.00	352	0	0.00	0.00
5	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
6	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
7	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
8	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
9	830,211	0.86	1,137	667	78.3	0	0.00	350	0	0.00	0.00
10	803,654	0.83	1,137	667	78.3	0	0.00	350	0	0.00	0.00
11	558,937	0.58	1,137	667	78.3	0	0.00	350	0	0.00	0.00
12	480,311	0.50	838	653	102.9	0	0.00	346	0	0.00	0.00
13	468,763	0.48	838	653	102.9	0	0.00	346	0	0.00	0.00
14	476,034	0.49	838	653	102.9	0	0.00	346	0	0.00	0.00
15	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
16	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
17	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
18	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
19	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
20	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
21	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
22	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
23	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
24	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
25	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
26	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00
27	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00
28	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00
29	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00
30	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00
31	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00
	3,617,911	3.74				0	0.00		0	0.00	0.00
	11.1 ac-ft					0.0 ac-ft			0.0 ac-ft		0.0
Percent of Total =	100%					0%			0%		

Hydraulic Loading (in)	BOD Loading Total Weight (lbs/day)	BOD Loading 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
0.86	7,877	221	542	15	4,621	130
0.83	7,625	214	525	15	4,473	126
0.58	5,303	149	365	10	3,111	87
0.50	3,359	94	412	12	2,617	74
0.48	3,278	92	402	11	2,554	72
0.49	3,329	94	409	11	2,594	73
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
3.74	30,771	29 Ave.	2,655	75 Total	19,970	561 Tot

Cumulative Loading Calculations

	Nitrogen	TDS
Commercial Applications		
July-13	90 lbs/acre	618 lbs/acre
August-13	75 lbs/acre	561 lbs/acre
September-13		
Total	**165 lbs/acre**	**1,179 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	1,149	677	94.7	0	0.00	352	0	0.00	0.00
2	0	0.00	1,149	677	94.7	0	0.00	352	0	0.00	0.00
3	0	0.00	1,149	677	94.7	0	0.00	352	0	0.00	0.00
4	0	0.00	1,149	677	94.7	0	0.00	352	0	0.00	0.00
5	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
6	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
7	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
8	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
9	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
10	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
11	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
12	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
13	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
14	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
15	435,362	0.36	838	653	102.9	0	0.00	346	0	0.00	0.00
16	389,641	0.32	838	653	102.9	0	0.00	346	0	0.00	0.00
17	416,711	0.34	838	653	102.9	0	0.00	346	0	0.00	0.00
18	445,742	0.37	838	653	102.9	0	0.00	346	0	0.00	0.00
19	542,777	0.45	770	691	120.4	0	0.00	345	0	0.00	0.00
20	559,305	0.46	770	691	120.4	0	0.00	345	0	0.00	0.00
21	736,227	0.61	770	691	120.4	0	0.00	345	0	0.00	0.00
22	682,762	0.57	770	691	120.4	0	0.00	345	0	0.00	0.00
23	700,013	0.58	770	691	120.4	0	0.00	345	0	0.00	0.00
24	424,167	0.35	770	691	120.4	0	0.00	345	0	0.00	0.00
25	399,633	0.33	770	691	120.4	0	0.00	345	0	0.00	0.00
26	370,439	0.31	491	770	122.4	0	0.00	341	0	0.00	0.00
27	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00
28	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00
29	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00
30	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00
31	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00
	6,102,779	5.05				0	0.00		0	0.00	0.00
	18.7 ac-ft					0.0 ac-ft			0.0 ac-ft		0.0
Percent of Total =	100%					0%			0%		

Hydraulic Loading (in)	BOD Loading Total Weight (lbs/day)	BOD Loading Loading Applied (lbs/ac/day)	Nitrogen Loading Total (lbs/day)	Nitrogen Loading Applied (lbs/ac/month)	TDS Loading Total (lbs/day)	TDS Loading Applied (lbs/ac/month)
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.36	3,044	68	374	8	2,372	53
0.32	2,725	61	335	8	2,123	48
0.34	2,914	65	358	8	2,271	51
0.37	3,117	70	383	9	2,429	55
0.45	3,487	78	545	12	3,130	70
0.46	3,594	81	562	13	3,225	72
0.61	4,730	106	740	17	4,245	95
0.57	4,387	99	686	15	3,937	88
0.58	4,498	101	703	16	4,036	91
0.35	2,725	61	426	10	2,446	55
0.33	2,568	58	401	9	2,304	52
0.31	1,518	34	378	8	2,380	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
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
5.05	39,307	29 Ave.	5,891	132 Total	34,898	784 Total

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		
Total	**200 lbs/acre**	**1,219 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	397,077	0.55	1,149	677	94.7	0	0.00	352	0	0.00	0.00
2	400,938	0.55	1,149	677	94.7	0	0.00	352	0	0.00	0.00
3	393,731	0.54	1,149	677	94.7	0	0.00	352	0	0.00	0.00
4	318,371	0.44	1,149	677	94.7	0	0.00	352	0	0.00	0.00
5	457,795	0.63	1,137	667	78.3	0	0.00	350	0	0.00	0.00
6	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
7	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
8	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
9	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
10	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
11	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
12	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
13	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
14	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
15	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
16	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
17	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
18	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
19	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
20	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
21	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
22	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
23	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
24	254,500	0.35	770	691	120.4	0	0.00	345	0	0.00	0.00
25	239,780	0.33	770	691	120.4	0	0.00	345	0	0.00	0.00
26	222,264	0.31	491	770	122.4	0	0.00	341	0	0.00	0.00
27	260,419	0.36	491	770	122.4	0	0.00	341	0	0.00	0.00
28	242,267	0.33	491	770	122.4	0	0.00	341	0	0.00	0.00
29	200,196	0.28	491	770	122.4	0	0.00	341	0	0.00	0.00
30	210,607	0.29	491	770	122.4	0	0.00	341	0	0.00	0.00
31	221,506	0.31	491	770	122.4	0	0.00	341	0	0.00	0.00
	3,819,451	5.27				0	0.00		0	0.00	0.00
	11.7 ac-ft					0.0 ac-ft			0.0 ac-ft		0.0
Percent of Total =	100%					0%			0%		

Hydraulic Loading (in)	BOD Loading Total Weight (lbs/day)	BOD Loading Loading Applied (lbs/ac/day)	Nitrogen Loading Total (lbs/day)	Nitrogen Loading Applied (lbs/ac/month)	TDS Loading Total (lbs/day)	TDS Loading Applied (lbs/ac/month)
0.55	3,807	143	314	12	2,243	84
0.55	3,844	144	317	12	2,265	85
0.54	3,775	141	311	12	2,224	83
0.44	3,052	114	252	9	1,799	67
0.63	4,343	163	299	11	2,548	95
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.35	1,635	61	256	10	1,467	55
0.33	1,541	58	241	9	1,383	52
0.31	911	34	227	9	1,428	53
0.36	1,067	40	266	10	1,673	63
0.33	993	37	247	9	1,557	58
0.28	820	31	204	8	1,286	48
0.29	863	32	215	8	1,353	51
0.31	908	34	226	8	1,423	53
5.27	27,559	33 Ave.	3,375	126 Total	22,649	848 Tot

Cumulative Loading Calculations

	Nitrogen	TDS
Commercial Applications		
July-13	12 lbs/acre	89 lbs/acre
August-13	126 lbs/acre	848 lbs/acre
September-13		
Total	**138 lbs/acre**	**937 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	150,000	0.15	1,149	677	94.7	0	0.00	352	0	0.00	0.00
2	150,000	0.15	1,149	677	94.7	0	0.00	352	0	0.00	0.00
3	150,000	0.15	1,149	677	94.7	0	0.00	352	0	0.00	0.00
4	150,000	0.15	1,149	677	94.7	0	0.00	352	0	0.00	0.00
5	150,000	0.15	1,137	667	78.3	0	0.00	350	0	0.00	0.00
6	150,000	0.15	1,137	667	78.3	0	0.00	350	0	0.00	0.00
7	150,000	0.15	1,137	667	78.3	0	0.00	350	0	0.00	0.00
8	150,000	0.15	1,137	667	78.3	0	0.00	350	0	0.00	0.00
9	150,000	0.15	1,137	667	78.3	0	0.00	350	0	0.00	0.00
10	150,000	0.15	1,137	667	78.3	0	0.00	350	0	0.00	0.00
11	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
12	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
13	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
14	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
15	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
16	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
17	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
18	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
19	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
20	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
21	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
22	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
23	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
24	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
25	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
26	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00
27	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00
28	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00
29	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00
30	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00
31	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00
	1,500,000	1.50				0	0.00		0	0.00	0.00
	4.6	ac-ft				0.0	ac-ft		0.0	ac-ft	0.0
Percent of Total =	100%					0%			0%		

Hydraulic Loading (in)	BOD Loading Total Weight (lbs/day)	BOD Loading 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)
0.15	1,438	39	119	3	847	23
0.15	1,438	39	119	3	847	23
0.15	1,438	39	119	3	847	23
0.15	1,438	39	119	3	847	23
0.15	1,423	39	98	3	835	23
0.15	1,423	39	98	3	835	23
0.15	1,423	39	98	3	835	23
0.15	1,423	39	98	3	835	23
0.15	1,423	39	98	3	835	23
0.15	1,423	39	98	3	835	23
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
1.50	14,290	13 Ave.	1,064	29 Total	8,398	229 Tot

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		
Total	**116 lbs/acre**	**830 lbs/acre**

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

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

Day	Settling Pond Effluent Applied (gal)	Settling Pond Effluent Applied (in)	BOD Ave. Applied (mg/l)	TDS Ave. Applied (mg/l)	Nitrogen Ave. Applied (mg/l)	Cooling Pond Effluent Applied (gal)	Cooling Pond Effluent Applied (in)	TDS Ave. Applied (mg/l)	Fresh Irrigation (gal)	Fresh Irrigation (in)	Rainfall (in)
1	0	0.00	1,149	677	94.7	0	0.00	352	0	0.00	0.00
2	0	0.00	1,149	677	94.7	0	0.00	352	0	0.00	0.00
3	0	0.00	1,149	677	94.7	0	0.00	352	0	0.00	0.00
4	0	0.00	1,149	677	94.7	0	0.00	352	0	0.00	0.00
5	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
6	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
7	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
8	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
9	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
10	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
11	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
12	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
13	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
14	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
15	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
16	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
17	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
18	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
19	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
20	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
21	646,887	0.61	770	691	120.4	0	0.00	345	0	0.00	0.00
22	599,910	0.57	770	691	120.4	0	0.00	345	0	0.00	0.00
23	615,068	0.58	770	691	120.4	0	0.00	345	0	0.00	0.00
24	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
25	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
26	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00
27	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00
28	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00
29	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00
30	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00
31	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00
	1,861,865	1.76				0	0.00		0	0.00	0.00
	5.7	ac-ft				0.0	ac-ft		0.0	ac-ft	0.0
Percent of Total =	100%					0%			0%		

Day	Hydraulic Loading (in)	BOD Loading Total Weight (lbs/day)	BOD Loading Loading Applied (lbs/ac/day)	Nitrogen Loading Total (lbs/day)	Nitrogen Loading Applied (lbs/ac/month)	TDS Loading Total (lbs/day)	TDS Loading Applied (lbs/ac/month)
1	0.00	0	0	0	0	0	0
2	0.00	0	0	0	0	0	0
3	0.00	0	0	0	0	0	0
4	0.00	0	0	0	0	0	0
5	0.00	0	0	0	0	0	0
6	0.00	0	0	0	0	0	0
7	0.00	0	0	0	0	0	0
8	0.00	0	0	0	0	0	0
9	0.00	0	0	0	0	0	0
10	0.00	0	0	0	0	0	0
11	0.00	0	0	0	0	0	0
12	0.00	0	0	0	0	0	0
13	0.00	0	0	0	0	0	0
14	0.00	0	0	0	0	0	0
15	0.00	0	0	0	0	0	0
16	0.00	0	0	0	0	0	0
17	0.00	0	0	0	0	0	0
18	0.00	0	0	0	0	0	0
19	0.00	0	0	0	0	0	0
20	0.00	0	0	0	0	0	0
21	0.61	4,156	106	650	17	3,730	95
22	0.57	3,855	99	603	15	3,459	88
23	0.58	3,952	101	618	16	3,546	91
24	0.00	0	0	0	0	0	0
25	0.00	0	0	0	0	0	0
26	0.00	0	0	0	0	0	0
27	0.00	0	0	0	0	0	0
28	0.00	0	0	0	0	0	0
29	0.00	0	0	0	0	0	0
30	0.00	0	0	0	0	0	0
31	0.00	0	0	0	0	0	0
	1.76	11,963	10 Ave.	1,871	48 Total	10,735	275 To

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		
Total	**120 lbs/acre**	**770 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	581,487	0.55	1,149	677	94.7	0	0.00	352	0	0.00	0.00
2	587,142	0.55	1,149	677	94.7	0	0.00	352	0	0.00	0.00
3	576,587	0.54	1,149	677	94.7	0	0.00	352	0	0.00	0.00
4	466,229	0.44	1,149	677	94.7	0	0.00	352	0	0.00	0.00
5	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
6	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
7	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
8	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
9	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
10	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
11	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
12	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
13	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
14	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
15	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
16	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
17	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
18	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
19	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
20	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
21	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
22	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
23	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
24	372,695	0.35	770	691	120.4	0	0.00	345	0	0.00	0.00
25	351,138	0.33	770	691	120.4	0	0.00	345	0	0.00	0.00
26	325,487	0.31	491	770	122.4	0	0.00	341	0	0.00	0.00
27	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00
28	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00
29	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00
30	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00
31	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00
	3,260,766	3.07				0	0.00		0	0.00	0.00
	10.0 ac-ft					0.0 ac-ft			0.0 ac-ft		0.0
Percent of Total =	100%					0%			0%		

Day	Hydraulic Loading (in)	BOD Loading Total Weight (lbs/day)	BOD Loading 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	0.55	5,575	**143**	460	**12**	3,285	**84**
2	0.55	5,629	**144**	464	**12**	3,317	**85**
3	0.54	5,528	**141**	456	**12**	3,257	**83**
4	0.44	4,470	**114**	368	**9**	2,634	**67**
5	0.00	0	**0**	0	**0**	0	**0**
6	0.00	0	**0**	0	**0**	0	**0**
7	0.00	0	**0**	0	**0**	0	**0**
8	0.00	0	**0**	0	**0**	0	**0**
9	0.00	0	**0**	0	**0**	0	**0**
10	0.00	0	**0**	0	**0**	0	**0**
11	0.00	0	**0**	0	**0**	0	**0**
12	0.00	0	**0**	0	**0**	0	**0**
13	0.00	0	**0**	0	**0**	0	**0**
14	0.00	0	**0**	0	**0**	0	**0**
15	0.00	0	**0**	0	**0**	0	**0**
16	0.00	0	**0**	0	**0**	0	**0**
17	0.00	0	**0**	0	**0**	0	**0**
18	0.00	0	**0**	0	**0**	0	**0**
19	0.00	0	**0**	0	**0**	0	**0**
20	0.00	0	**0**	0	**0**	0	**0**
21	0.00	0	**0**	0	**0**	0	**0**
22	0.00	0	**0**	0	**0**	0	**0**
23	0.00	0	**0**	0	**0**	0	**0**
24	0.35	2,395	**61**	374	**10**	2,149	**55**
25	0.33	2,256	**58**	353	**9**	2,025	**52**
26	0.31	1,334	**34**	332	**8**	2,091	**53**
27	0.00	0	**0**	0	**0**	0	**0**
28	0.00	0	**0**	0	**0**	0	**0**
29	0.00	0	**0**	0	**0**	0	**0**
30	0.00	0	**0**	0	**0**	0	**0**
31	0.00	0	**0**	0	**0**	0	**0**
	3.07	27,187	**23 Ave.**	2,807	**72 Total**	18,758	**480 Tot**

Cumulative Loading Calculations	**Nitrogen**	**TDS**
Commercial Applications		
July-13	0 lbs/acre	0 lbs/acre
August-13	72 lbs/acre	480 lbs/acre
September-13		
Total	**72 lbs/acre**	**480 lbs/acre**

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

LAND APPLICATION AREA: M.S. 20 Ch1 — 32.3 acres

Day	Settling Pond Effluent Applied (gal)	Settling Pond Effluent Applied (in)	BOD Ave. Applied (mg/l)	TDS Ave. Applied (mg/l)	Nitrogen Ave. Applied (mg/l)	Cooling Pond Effluent Applied (gal)	Cooling Pond Effluent Applied (in)	TDS Ave. Applied (mg/l)	Fresh Irrigation (gal)	Fresh Irrigation (in)	Rainfall (in)
1	0	0.00	1,149	677	94.7	0	0.00	352	0	0.00	0.00
2	0	0.00	1,149	677	94.7	0	0.00	352	0	0.00	0.00
3	0	0.00	1,149	677	94.7	0	0.00	352	0	0.00	0.00
4	385,145	0.44	1,149	677	94.7	0	0.00	352	0	0.00	0.00
5	553,811	0.63	1,137	667	78.3	0	0.00	350	0	0.00	0.00
6	560,439	0.64	1,137	667	78.3	0	0.00	350	0	0.00	0.00
7	536,844	0.61	1,137	667	78.3	0	0.00	350	0	0.00	0.00
8	562,469	0.64	1,137	667	78.3	0	0.00	350	0	0.00	0.00
9	753,253	0.86	1,137	667	78.3	0	0.00	350	0	0.00	0.00
10	729,158	0.83	1,137	667	78.3	0	0.00	350	0	0.00	0.00
11	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
12	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
13	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
14	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
15	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
16	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
17	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
18	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
19	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
20	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
21	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
22	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
23	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
24	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
25	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
26	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00
27	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00
28	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00
29	242,184	0.28	491	770	122.4	0	0.00	341	0	0.00	0.00
30	254,779	0.29	491	770	122.4	0	0.00	341	0	0.00	0.00
31	267,964	0.31	491	770	122.4	0	0.00	341	0	0.00	0.00
	4,578,084	5.22				0	0.00		0	0.00	0.00
	14.0	ac-ft				0.0	ac-ft		0.0	ac-ft	0.0
Percent of Total =	100%					0%			0%		

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**
0.44	3,693	**114**	304	**9**	2,176	**67**
0.63	5,254	**163**	362	**11**	3,082	**95**
0.64	5,317	**165**	366	**11**	3,119	**97**
0.61	5,093	**158**	351	**11**	2,988	**93**
0.64	5,336	**165**	367	**11**	3,131	**97**
0.86	7,147	**221**	492	**15**	4,192	**130**
0.83	6,918	**214**	476	**15**	4,058	**126**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.28	992	**31**	247	**8**	1,556	**48**
0.29	1,044	**32**	260	**8**	1,637	**51**
0.31	1,098	**34**	274	**8**	1,722	**53**
5.22	40,794	**42 Ave.**	3,225	**100 Total**	25,939	**803 Total**

Cumulative Loading Calculations

	Nitrogen	TDS
Commercial Applications		
July-13	34 lbs/acre	211 lbs/acre
August-13	100 lbs/acre	803 lbs/acre
September-13		
Total	**134 lbs/acre**	**1,014 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	1,149	677	94.7	0	0.00	352	0	0.00	0.00	0.00	0	0	0	0	0	0
2	0	0.00	1,149	677	94.7	0	0.00	352	0	0.00	0.00	0.00	0	0	0	0	0	0
3	0	0.00	1,149	677	94.7	0	0.00	352	0	0.00	0.00	0.00	0	0	0	0	0	0
4	0	0.00	1,149	677	94.7	0	0.00	352	0	0.00	0.00	0.00	0	0	0	0	0	0
5	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00	0.00	0	0	0	0	0	0
6	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00	0.00	0	0	0	0	0	0
7	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00	0.00	0	0	0	0	0	0
8	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00	0.00	0	0	0	0	0	0
9	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00	0.00	0	0	0	0	0	0
10	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00	0.00	0	0	0	0	0	0
11	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00	0.00	0	0	0	0	0	0
12	435,788	0.50	838	653	102.9	0	0.00	346	0	0.00	0.00	0.50	3,047	94	374	12	2,375	74
13	425,310	0.48	838	653	102.9	0	0.00	346	0	0.00	0.00	0.48	2,974	92	365	11	2,317	72
14	431,908	0.49	838	653	102.9	0	0.00	346	0	0.00	0.00	0.49	3,020	93	371	11	2,353	73
15	316,004	0.36	838	653	102.9	0	0.00	346	0	0.00	0.00	0.36	2,210	68	271	8	1,722	53
16	282,818	0.32	838	653	102.9	0	0.00	346	0	0.00	0.00	0.32	1,978	61	243	8	1,541	48
17	302,467	0.34	838	653	102.9	0	0.00	346	0	0.00	0.00	0.34	2,115	65	260	8	1,648	51
18	323,538	0.37	838	653	102.9	0	0.00	346	0	0.00	0.00	0.37	2,262	70	278	9	1,763	55
19	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00	0.00	0	0	0	0	0	0
20	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00	0.00	0	0	0	0	0	0
21	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00	0.00	0	0	0	0	0	0
22	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00	0.00	0	0	0	0	0	0
23	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00	0.00	0	0	0	0	0	0
24	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00	0.00	0	0	0	0	0	0
25	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00	0.00	0	0	0	0	0	0
26	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00	0.00	0	0	0	0	0	0
27	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00	0.00	0	0	0	0	0	0
28	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00	0.00	0	0	0	0	0	0
29	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00	0.00	0	0	0	0	0	0
30	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00	0.00	0	0	0	0	0	0
31	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00	0.00	0	0	0	0	0	0
	2,517,833	2.86				0	0.00		0	0.00	0.00	2.86	17,606	18 Ave.	2,162	67 Total	13,719	425 Total
	7.7	ac-ft				0.0	ac-ft		0.0	ac-ft	0.0							
Percent of Total =	100%					0%			0%									

Cumulative Loading Calculations

	Nitrogen	TDS
Commercial Applications		
July-13	34 lbs/acre	218 lbs/acre
August-13	67 lbs/acre	425 lbs/acre
September-13		
Total	**101 lbs/acre**	**643 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	1,149	677	94.7	0	0.00	352	0	0.00	0.00	0.00	0	0	0	0	0	0
2	0	0.00	1,149	677	94.7	0	0.00	352	0	0.00	0.00	0.00	0	0	0	0	0	0
3	0	0.00	1,149	677	94.7	0	0.00	352	0	0.00	0.00	0.00	0	0	0	0	0	0
4	0	0.00	1,149	677	94.7	0	0.00	352	0	0.00	0.00	0.00	0	0	0	0	0	0
5	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00	0.00	0	0	0	0	0	0
6	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00	0.00	0	0	0	0	0	0
7	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00	0.00	0	0	0	0	0	0
8	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00	0.00	0	0	0	0	0	0
9	604,002	0.86	1,137	667	78.3	0	0.00	350	0	0.00	0.00	0.86	5,731	221	395	15	3,362	130
10	584,681	0.83	1,137	667	78.3	0	0.00	350	0	0.00	0.00	0.83	5,547	214	382	15	3,254	126
11	406,643	0.58	1,137	667	78.3	0	0.00	350	0	0.00	0.00	0.58	3,858	149	266	10	2,263	87
12	349,440	0.50	838	653	102.9	0	0.00	346	0	0.00	0.00	0.50	2,443	94	300	12	1,904	74
13	341,038	0.48	838	653	102.9	0	0.00	346	0	0.00	0.00	0.48	2,385	92	293	11	1,858	72
14	346,328	0.49	838	653	102.9	0	0.00	346	0	0.00	0.00	0.49	2,422	94	297	11	1,887	73
15	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00	0.00	0	0	0	0	0	0
16	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00	0.00	0	0	0	0	0	0
17	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00	0.00	0	0	0	0	0	0
18	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00	0.00	0	0	0	0	0	0
19	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00	0.00	0	0	0	0	0	0
20	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00	0.00	0	0	0	0	0	0
21	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00	0.00	0	0	0	0	0	0
22	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00	0.00	0	0	0	0	0	0
23	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00	0.00	0	0	0	0	0	0
24	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00	0.00	0	0	0	0	0	0
25	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00	0.00	0	0	0	0	0	0
26	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00	0.00	0	0	0	0	0	0
27	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00	0.00	0	0	0	0	0	0
28	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00	0.00	0	0	0	0	0	0
29	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00	0.00	0	0	0	0	0	0
30	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00	0.00	0	0	0	0	0	0
31	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00	0.00	0	0	0	0	0	0
	2,632,132	3.74				0	0.00		0	0.00	0.00	3.74	22,386	29 Ave.	1,933	75 Total	14,528	561 Total
	8.1	ac-ft				0.0	ac-ft		0.0	ac-ft	0.0							
Percent of Total =	100%					0%			0%									

Cumulative Loading Calculations

	Nitrogen	TDS
Commercial Applications		
July-13	78 lbs/acre	499 lbs/acre
August-13	75 lbs/acre	561 lbs/acre
September-13		
Total	**153 lbs/acre**	**1,060 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	1,188,257	0.55	1,149	677	94.7	0	0.00	352	0	0.00	0.00
2	1,199,811	0.55	1,149	677	94.7	0	0.00	352	0	0.00	0.00
3	1,178,244	0.54	1,149	677	94.7	0	0.00	352	0	0.00	0.00
4	952,728	0.44	1,149	677	94.7	0	0.00	352	0	0.00	0.00
5	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
6	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
7	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
8	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
9	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
10	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
11	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
12	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
13	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
14	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
15	781,695	0.36	838	653	102.9	0	0.00	346	0	0.00	0.00
16	699,602	0.32	838	653	102.9	0	0.00	346	0	0.00	0.00
17	748,208	0.34	838	653	102.9	0	0.00	346	0	0.00	0.00
18	800,332	0.37	838	653	102.9	0	0.00	346	0	0.00	0.00
19	974,559	0.45	770	691	120.4	0	0.00	345	0	0.00	0.00
20	1,004,235	0.46	770	691	120.4	0	0.00	345	0	0.00	0.00
21	1,321,900	0.61	770	691	120.4	0	0.00	345	0	0.00	0.00
22	1,225,903	0.57	770	691	120.4	0	0.00	345	0	0.00	0.00
23	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
24	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
25	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
26	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00
27	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00
28	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00
29	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00
30	1,031,508	0.48	491	770	122.4	0	0.00	341	0	0.00	0.00
31	1,060,693	0.49	491	770	122.4	0	0.00	341	0	0.00	0.00
	13,106,979	6.04				0	0.00		0	0.00	0.00
	40.2	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)
0.55	11,393	**143**	939	**12**	6,713	**84**
0.55	11,503	**144**	948	**12**	6,778	**85**
0.54	11,297	**141**	931	**12**	6,656	**83**
0.44	9,134	**114**	753	**9**	5,382	**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**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.36	5,466	**68**	671	**8**	4,259	**53**
0.32	4,892	**61**	601	**8**	3,812	**48**
0.34	5,232	**65**	642	**8**	4,077	**51**
0.37	5,596	**70**	687	**9**	4,361	**55**
0.45	6,262	**78**	979	**12**	5,619	**70**
0.46	6,452	**81**	1,009	**13**	5,790	**72**
0.61	8,493	**106**	1,328	**17**	7,622	**95**
0.57	7,877	**99**	1,232	**15**	7,069	**88**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.48	4,226	**53**	1,054	**13**	6,628	**83**
0.49	4,346	**54**	1,083	**14**	6,815	**85**
6.04	97,823	**41 Ave.**	11,774	**147 Total**	74,766	**936 Total**

Cumulative Loading Calculations	**Nitrogen**	**TDS**
Commercial Applications		
July-13	68 lbs/acre	433 lbs/acre
August-13	147 lbs/acre	936 lbs/acre
September-13		
Total	**215 lbs/acre**	**1,369 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)
1	0	0.00	1,149	677	94.7	0	0.00	352	0	0.00	0.00
2	0	0.00	1,149	677	94.7	0	0.00	352	0	0.00	0.00
3	0	0.00	1,149	677	94.7	0	0.00	352	0	0.00	0.00
4	0	0.00	1,149	677	94.7	0	0.00	352	0	0.00	0.00
5	1,369,955	0.63	1,137	667	78.3	0	0.00	350	0	0.00	0.00
6	1,386,349	0.64	1,137	667	78.3	0	0.00	350	0	0.00	0.00
7	1,327,982	0.61	1,137	667	78.3	0	0.00	350	0	0.00	0.00
8	1,391,370	0.64	1,137	667	78.3	0	0.00	350	0	0.00	0.00
9	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
10	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
11	0	0.00	1,137	667	78.3	0	0.00	350	0	0.00	0.00
12	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
13	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
14	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
15	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
16	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
17	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
18	0	0.00	838	653	102.9	0	0.00	346	0	0.00	0.00
19	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
20	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
21	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
22	0	0.00	770	691	120.4	0	0.00	345	0	0.00	0.00
23	1,256,878	0.58	770	691	120.4	0	0.00	345	0	0.00	0.00
24	1,085,810	0.50	770	691	120.4	0	0.00	345	0	0.00	0.00
25	986,597	0.45	770	691	120.4	0	0.00	345	0	0.00	0.00
26	831,455	0.38	491	770	122.4	0	0.00	341	0	0.00	0.00
27	1,238,304	0.57	491	770	122.4	0	0.00	341	0	0.00	0.00
28	1,202,723	0.55	491	770	122.4	0	0.00	341	0	0.00	0.00
29	1,042,266	0.48	491	770	122.4	0	0.00	341	0	0.00	0.00
30	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00
31	0	0.00	491	770	122.4	0	0.00	341	0	0.00	0.00
	13,119,690	6.03				0	0.00		0	0.00	0.00
	40.3 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 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	0.63	12,998	163	895	11	7,625	95
6	0.64	13,153	165	906	11	7,716	97
7	0.61	12,599	158	868	11	7,391	93
8	0.64	13,201	165	909	11	7,744	97
9	0.00	0	0	0	0	0	0
10	0.00	0	0	0	0	0	0
11	0.00	0	0	0	0	0	0
12	0.00	0	0	0	0	0	0
13	0.00	0	0	0	0	0	0
14	0.00	0	0	0	0	0	0
15	0.00	0	0	0	0	0	0
16	0.00	0	0	0	0	0	0
17	0.00	0	0	0	0	0	0
18	0.00	0	0	0	0	0	0
19	0.00	0	0	0	0	0	0
20	0.00	0	0	0	0	0	0
21	0.00	0	0	0	0	0	0
22	0.00	0	0	0	0	0	0
23	0.58	8,076	101	1,263	16	7,247	91
24	0.50	6,977	87	1,091	14	6,261	78
25	0.45	6,339	79	991	12	5,689	71
26	0.38	3,407	43	849	11	5,342	67
27	0.57	5,073	63	1,265	16	7,956	100
28	0.55	4,928	62	1,228	15	7,728	97
29	0.48	4,270	53	1,065	13	6,697	84
30	0.00	0	0	0	0	0	0
31	0.00	0	0	0	0	0	0
	6.03	91,021	38 Ave.	11,330	142 Total	77,396	969 Total

Cumulative Loading Calculations

	Nitrogen	TDS
Commercial Applications		
July-13	68 lbs/acre	435 lbs/acre
August-13	142 lbs/acre	969 lbs/acre
September-13		
Total	**210 lbs/acre**	**1,404 lbs/acre**

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # 2/3 Technician: Sergio

Date: 8/10/13 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° No wind
14. Other observations: Grass looks good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 213 Technician: Sergio

Date: 8/11/13 Weather: Sunny 73°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 2/3 Technician: Sergio

Date: 8/12/13 Weather: Sunny 77°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 77° Wind 8mph 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: 8/13/13 Weather: Sunny 83°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 83° 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: 6/14/13 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 8mph
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: 8/15/13 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° 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: 8/16/13 Weather: Sunny 93°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 93° 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: 8/17/13 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° 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: 8/18/13 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° No Wind
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily DURING-Application Inspection Observations:

Field No: # 213 Technician: Sergio

Date: 8/19/13 Weather: Cloudy 93°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 93° 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: 8/20/13 Weather: Cloudy 96°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 96° Wind 10mph SSW
14. Other observations: Grass looks Good

LAND APPLICATION AREA MONITORING

Daily POST-Application Inspection Observations:

Field No: # 2/3 . Technician: Sergio

Date: 8/21/13 Weather: Sunny 92°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # 213 Technician: Sergio

Date: 8/31/13 Weather: Sunny 94°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 94° No wind
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: 8/25/13 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 13 mph 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: 8/26/13 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 S
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: 8/27/13 Weather: Sunny 91°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 91° 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: 8/28/13 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° 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: 8/29/13 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° 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: 8/30/13 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° Nowind
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: 8/3/13 Weather: Sunny 94°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 94° No wind
14. Other observations: Crop looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # 6 Technician: Sergio

Date: 8/24/13 Weather: Sunny 90°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift 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 90° Wind 9mphS
14. Other observations: Crop looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 6 Technician: Sergio

Date: 8/25/13 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 13mph SSW
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily DURING-Application Inspection Observations:

Field No: # 6 Technician: Sergio

Date: 8/26/13 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 S
14. Other observations: Grass looks GOOD

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 6 Technician: Sergio

Date: 8/27/13 Weather: Sunny 91°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 91° No Wind
14. Other observations: Grass Looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 6 Technician: Sergio

Date: 8/28/13 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° No Wind
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 6 Technician: Sergio

Date: 8/29/13 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° No Wind
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 6 Technician: Sergio

Date: 8/30/13 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° No wind
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily DURING-Application Inspection Observations:

Field No: # 6 Technician: Sergio

Date: 8/3/13 Weather: Sunny 94°

1. Any evidence of erosion: yes / (no)
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no)
12. Are there any insects: yes / (no)
13. Temperature and wind direction/strength: Sunny 94° 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: 8/8/13 Weather: Sunny 78°

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 78° wind 10mph SW
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: 8/9/13 Weather: Sunny 67°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 11 Technician: Sergio

Date: 8/10/13 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° 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: 8/11/13 Weather: Sunny 73°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 11 Technician: Sergio

Date: 6/12/13 Weather: Sunny 77°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 77° Wind 8mph 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: 8/13/13 Weather: Sunny/ 83°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD _____
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 83° 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: 8/14/13 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 8mph S
14. Other observations: Crop looks Good

LAND APPLICATION AREA MONITORING

Daily POST-Application Inspection Observations:

Field No: # 11 . Technician: Sergio

Date: 8/15/13 Weather: Sunny 92°

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 92° 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: 8/14/13 Weather: Sunny 90°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition NA lift pumps Cracking
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. 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 90° Wind 8mphS
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: 8/15/13 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° No Wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 14 Technician: Sergio

Date: 8/16/13 Weather: Sunny 93°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 93° No wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 14 Technician: Sergio

Date: 6/17/13 Weather: Sunny 92°

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 92° No Wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 14 Technician: Sergio

Date: 8/18/13 Weather: Sunny 99°

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 99° No Wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 14 Technician: Sergio

Date: 8/19/13 Weather: Cloudy 93°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 93° No Wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 14 Technician: Sergio

Date: 8/20/13 Weather: Cloudy 96°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 96° Wind 10mph 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: 8/21/13 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 6mphS
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: 8/22/13 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: # 14 Technician: Sergio

Date: 8/23/13 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 8mph 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: 8/24/13 Weather: Sunny 90°

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 90° wind 9mphs
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: 8/25/13 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 13mph 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: 8/26/13 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 S
14. Other observations: Crop looks Good

LAND APPLICATION AREA MONITORING

Daily POST-Application Inspection Observations:

Field No: # 14 Technician: Sergio

Date: 8/27/13 Weather: Sunny 91°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. 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 91° 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: 6/1/13 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° 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: 6/2/13 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 4mph S
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: 8/3/13 Weather: Sunny 86°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 86° 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: 6/4/13 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° 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: 6/5/13 Weather: Sunny 93°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 93° No wind
14. Other observations: Crop looks Good

LAND APPLICATION AREA MONITORING

Daily POST-Application Inspection Observations:

Field No: # 15 . Technician: Sergio

Date: 8/6/13 Weather: Sunny 78°

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 78° Wind 7mph SSW
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: 8/23/13 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 8mph S
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: 8/24/13 Weather: Sunny 90°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A (4 pumps working)
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to 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 9mphS
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: 8/25/13 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 13mph 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: 8/26/13 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 6mphS
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: 8/27/13 Weather: Sunny 91°

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 91° 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: 8/28/13 Weather: Sunny 90°

1. Any evidence of erosion: yes / (no)
2. Berm Condition Good
3. Standpipe and flow control valve condition VIA Lift pumps Working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential to 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° 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: 8/29/13 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
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to 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° 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: 8/30/13 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° 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: 8/3/13 Weather: Sunny 94°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 94° 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: 6/1/13 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) _____

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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 82° No wind
14. Other observations: Crop looks Good / seeds are growing

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 16/17 Technician: Sergio

Date: 8/2/13 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 4mph S
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: 8/3/13 Weather: Sunny 86°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 86° No Wind
14. Other observations: Crop looks Good / FIELD being watered slowly because it was planted

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 16/17 Technician: Sergio

Date: 8/14/13 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° No Wind
14. Other observations: Crop looks good / Grass growing FIELD watered slowly because it was planted

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 16/17 Technician: Sergio

Date: 8/5/13 Weather: Sunny 93°

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 93° No Wind
14. Other observations: Grass growing good. Field being watered slowly because its the first irrigation that its had because it was planted.

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 16/17 Technician: Sergio

Date: 8/6/13 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 7mph SSW
14. Other observations: Crop looks good seed growing

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 16/17 Technician: Sergio

Date: 8/7/13 Weather: Sunny 79°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition All Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to 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, FIELD Being watered slowly so the seed won't run off throughout the FIELD

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 16/17 Technician: Sergio

Date: 8/8/13 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 SW
14. Other observations: Crop looks good, FIELD Being Watered Slowly so seed wont wash away

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 16/17 Technician: Sergio

Date: 8/9/13 Weather: Sunny 67°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 16/17 Technician: Sergio

Date: 8/10/13 Weather: Sunny 78°

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

LAND APPLICATION AREA MONITORING

Daily POST-Application Inspection Observations:

Field No: # 16/17 Technician: Sergio

Date: 8/11/13 Weather: Sunny 73°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # 16/17 Technician: Sergio

Date: 8/3/13 Weather: Sunny 94°

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 94° No wind
14. Other observations: Crop looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # 18ch1 Technician: Sergio

Date: 8/20/13 Weather: Cloudy 96°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 96° Wind 10mph SSW
14. Other observations: CPOP looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 18ch1 Technician: Sergio

Date: 8/21/13 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 6mphs
14. Other observations: Crop looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 18CW Technician: Sergio

Date: 8/22/13 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: # 18ch1 Technician: Sergio

Date: 8/23/13 Weather: Sunny 92°

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 92° Wind 8mphS
14. Other observations: pasture looks Good

LAND APPLICATION AREA MONITORING

Daily POST-Application Inspection Observations:

Field No: # 18ch1 Technician: Sergio

Date: 8/24/13 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 9mphs
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: 8/1/13 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 are working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to 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° No Wind
14. Other observations: Crop looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 18c42 Technician: Sergio

Date: 8/2/13 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 are Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to 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 4mph S
14. Other observations: Crop looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 18ch 2 Technician: Sergio

Date: 8/3/13 Weather: Sunny 86°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 86° No Wind
14. Other observations: Crop looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 18ch2 Technician: Sergio

Date: 8/4/13 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° No Wind
14. Other observations: Crop looks Good

LAND APPLICATION AREA MONITORING

Daily POST-Application Inspection Observations:

Field No: # 18ch2 Technician: Sergio

Date: 8/5/13 Weather: Sunny 93°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 93° No wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # 18ch2 Technician: Sergio

Date: 8/23/13 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 8mph S
14. Other observations: Crop looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 18Ch2 Technician: Sergio

Date: 8/24/13 Weather: Sunny 90°

1. Any evidence of erosion: yes / (no)
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift 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 90° Wind 9mphS
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: 8/25/13 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 13mph SSW
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily DURING-Application Inspection Observations:

Field No: # 18Chz Technician: Sergio

Date: 8/26/13 Weather: Sunny 89°

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

LAND APPLICATION AREA MONITORING

Daily POST-Application Inspection Observations:

Field No: # 18ch2 Technician: Sergio

Date: 8/27/13 Weather: Sunny 91°

1. Any evidence of erosion: yes / (no)
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no)
12. Are there any insects: yes / (no)
13. Temperature and wind direction/strength: Sunny 91° No Wind
14. Other observations: Pasture looks GOOD

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # 20ch1 Technician: Sergio

Date: 8/3/13 Weather: Sunny 86°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 86° No Wind
14. Other observations: Grass needs Water

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 20cn1 Technician: Sergio

Date: 8/4/13 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° No Wind
14. Other observations: Grass needs water

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 20ch1 Technician: Sergio

Date: 8/5/13 Weather: Sunny 93°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 93° No Wind
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 20ch1 Technician: Sergio

Date: 8/16/13 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 7mph SSW
14. Other observations: grass looks good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 20&1 Technician: Sergio

Date: 8/7/13 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: # 20ch1 Technician: Sergio

Date: 5/8/13 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 SW
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: 8/9/13 Weather: Sunny 67°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 20ch1 Technician: Sergio

Date: 8/10/13 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° No wind
14. Other observations: Grass Looks Good

LAND APPLICATION AREA MONITORING

Daily POST-Application Inspection Observations:

Field No: # 20ch1 Technician: Sergio

Date: 8/11/13 Weather: Sunny 73°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # 20ch1 Technician: Sergio

Date: 8/28/13 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° NO Wind
14. Other observations: Grass looks GOOD

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 20ch1 Technician: Sergio

Date: 8/29/13 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° No wind
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 20&1 Technician: Sergio

Date: 8/30/13 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° No wind
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily DURING-Application Inspection Observations:

Field No: # 20cnl Technician: Sergio

Date: 8/3/13 Weather: Sunny 94°

1. Any evidence of erosion: yes / (no)
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Left pumps Working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no)
12. Are there any insects: yes / (no)
13. Temperature and wind direction/strength: Sunny 94° No wind
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # 20ch2 Technician: Sergio

Date: 8/11/13 Weather: Sunny 73°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 20ch2 Technician: Sergio

Date: 8/12/13 Weather: Sunny 77°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 77° Wind 8mph S
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: 6/13/13 Weather: Sunny 83°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 83° 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: 8/14/13 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 8mph S
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: 8/15/13 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° 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: 8/16/13 Weather: Sunny 93°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 93° 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: 8/17/13 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° No wind
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily DURING-Application Inspection Observations:

Field No: # 20ch7 Technician: Sergio

Date: 8/18/13 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° No wind
14. Other observations: Grass looks GOOD

LAND APPLICATION AREA MONITORING

Daily POST-Application Inspection Observations:

Field No: # 20ch2 Technician: Sergio

Date: 8/19/13 Weather: Sunny 93°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 93° No Wind
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # 21 Technician: Sergio

Date: 8/8/13 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 SW
14. Other observations: Crop looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 21 Technician: Sergio

Date: 6/9/13 Weather: Sunny 67°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 21 Technician: Sergio

Date: 8/10/13 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° No Wind
14. Other observations: Crop looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 21 Technician: Sergio

Date: 8/11/13 Weather: Sunny 73°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 21 Technician: Sergio

Date: 8/12/13 Weather: Sunny 77°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 77° Wind 8mph S
14. Other observations: Crop looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 21 Technician: Sergio

Date: 8/13/13 Weather: Sunny 83°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD _____
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 83° No wind
14. Other observations: Crop looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 21 Technician: Sergio

Date: 8/14/13 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 8mphS
14. Other observations: Crop looks Good

LAND APPLICATION AREA MONITORING

Daily POST-Application Inspection Observations:

Field No: # 21 Technician: Sergio

Date: 8/15/13 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) _____

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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 92° No Wind
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: 8/1/13 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° No wind
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: 8/2/13 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 4mphs S
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: 8/3/13 Weather: Sunny 86°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 86° No Wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 24ch 1 Technician: Sergio

Date: 8/4/13 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° No Wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily POST-Application Inspection Observations:

Field No: # 24ch1 Technician: Sergio

Date: 8/5/13 Weather: Sunny 93°

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

Date: 8/14/13 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 8mph S
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: 8/15/13 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° No wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily DURING-Application Inspection Observations:

Field No: # 24ch1 Technician: Sergio

Date: 8/16/13 Weather: Sunny 93°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 93° Nowind
14. Other observations: _____

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 24ch1 Technician: Sergio

Date: 8/17/13 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° No Wind
14. Other observations: Pasture looks good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 24cw1 Technician: Sergio

Date: 8/18/13. Weather: Sunny 99°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift 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° No wind
14. Other observations: Pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 24ch1 Technician: Sergio

Date: 8/19/13 Weather: Cloudy 93°

1. Any evidence of erosion: yes / (no)
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential 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 93° No Wind
14. Other observations: Pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily DURING-Application Inspection Observations:

Field No: # 24ch1 Technician: Sergio

Date: 8/20/13 Weather: Cloudy 96°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential 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 96° Wind 10mph SSW
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: 8/21/13 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 6mphS
14. Other observations: Pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 24cw1 Technician: Sergio

Date: 8/22/13 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: Pasture looks Good

LAND APPLICATION AREA MONITORING

Daily POST-Application Inspection Observations:

Field No: # 24ch1 Technician: Sergio

Date: 8/23/13 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 8mph 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: Sergio

Date: 8/29/13 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° No Wind
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 24ch 1 Technician: Sergio

Date: 8/30/13 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° No wind
14. Other observations: Pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily DURING-Application Inspection Observations:

Field No: # 24ch1 Technician: Sergio

Date: 8/31/13 Weather: Sunny 94°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 94° No Wind
14. Other observations: Pasture looks GOOD

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # 24ch2 Technician: Sergio

Date: 8/4/13 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) _____

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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 88° No wind
14. Other observations: Pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 24ch 2 Technician: Sergio

Date: 8/5/13 Weather: Sunny 93°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 93° 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: 8/6/13 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 7mph SSW
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: 8/7/13 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: Pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 24ch2 Technician: Sergio

Date: 8/8/13 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 SW
14. Other observations: Pasture looks Good

LAND APPLICATION AREA MONITORING

Daily POST-Application Inspection Observations:

Field No: # 24ch7 Technician: Sergio

Date: 8/9/13 Weather: Sunny 67°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # 24ch2 Technician: Sergio

Date: 8/22/13 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° 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: 8/23/13 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 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: 8/24/13 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 9 mphs
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: 8/25/13 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 13mph SSW
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: 8/26/13 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 S
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: 8/27/13 Weather: Sunny 91°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 91° 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: 8/28/13 Weather: Sunny 90°

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 90° 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: 8/29/13 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° No wind
14. Other observations: _____

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily POST-Application Inspection Observations:

Field No: # 24ch2 Technician: Sergio

Date: 8/30/13 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° No wind
14. Other observations: Pasture looks Good