CLSA

Monitoring Report Submittal Transmittal Form

Staff: GJC

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

Logged in as received: 9/5/2013 STM

Date reviewed: _____

Violations?: _____

Logged in as Reviewed: _____

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

RECEIVED
SACRAMENTO, CA
2013 SEP -4 PM 1:14

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

Check all that apply:

Monthly Monitoring Report for the month of July 2013

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

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

Annual Monitoring Report for the year _____

Violation Notification

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

1. The violations were: 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: (916) 719-5650

Printed Name: Ross Olvera Date: 9/3/13

THE MORNING STAR PACKING COMPANY
724 Main Street, Woodland CA 95695

3 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:

Tomato processing at the Williams facility commenced on July 12, 2013. The Morning Star Packing Company – Williams has developed procedures to ensure compliance with the Revised Monitoring and Reporting Program No. 95-160.

Consistent with the past eighteen years of data for General Pond Monitoring, a normal decrease in the dissolved oxygen (DO) level in the cooling and settling ponds was observed as processing commences. The average levels of DO found over the past eighteen years in the cooling pond has been 6.0 mg/L and 2.1 mg/L in the settling pond.

The average reading for the level of DO in the cooling pond for July was 4.2 mg/L and ranged from 2.2 mg/L to 7.0 mg/L.

The average reading for the level of DO in the settling pond for July was 4.6 mg/L. As noted on the General Pond Monitoring log, the odor was characterized as minimal tomato smell and was not objectionable at or beyond the property boundaries.

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.

Washwater flows to MS 24 are diverted prior to the flow monitoring device (FMD) in the main supply ditch.

Pursuant to the requirements of the Cease and Desist Order, Morning Star installed FMD's at the outlet of the settling pond and at the main supply ditch. Morning Star also installed a new FMD at

the outlet of the cooling pond. These measurement points allow nutrient and hydraulic loading rates to be calculated for the fields.

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

Respectfully yours,

Ross Oliveira

Williams
2211 Old HWY 99
Williams, California
95987

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

Los Banos
13448 Volta Rd
Los Banos, California
93635

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

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

Time Period: July 1, 2013 to July 31, 2013, retrieved on September 3, 2013

Note: Only 82% of requested data were available from station COLUSA.A. See retrieval table.

DATE	OBS TIME	PRECIP AMOUNT & TYPE	AIR TEMPERATURE MAX	AIR TEMPERATURE MIN	AIR TEMPERATURE OBS	WIND DD	WIND SS	ETo	SOL RAD	SOIL T MAX	SOIL T MIN	WX	RELATIVE HUMIDITY MAX	RELATIVE HUMIDITY MIN	BULB TEMP WET	BULB TEMP DRY	PAN EVAP
MM DD YYYY	HH:MM	(IN) *	(F) *		*	*		* (IN) *	(LY) *	(F) *		*		*	(F)	*	(IN) *
07-01-2013	23:59	0.00	104	68		0	0		665	81	76		87.0	22.0			
07-02-2013	23:59	0.00	99	74		0	0		657	81	78						
07-03-2013	23:59	0.00 A	93	60	A				687	A 82	76	A					
07-04-2013	23:59	0.00	107	73		0	0		669	82	78						
07-05-2013	23:59	0.00	87	66		0	0		689	81	77		65.0	45.0			
07-06-2013	23:59	0.00	88	59		0	0		682	79	71		90.0	45.0			
07-07-2013	23:59	0.00	92	57		0	0		710	78	75		95.0	25.0			
07-08-2013	23:59	0.00	92	55		0	0		711	78	74		96.0	23.0			
07-09-2013	23:59	0.00	95	56		0	0		707	78	74		89.0	27.0			
07-10-2013	23:59	0.00	95	61		0	0		705	78	75		99.0	27.0			
07-11-2013	23:59	0.00	88	56		0	0		708	77	74		87.0	31.0			
07-12-2013	23:59	0.00	87	53		0	0		694	77	73		91.0	43.0			
07-13-2013	23:59	0.00	91	55		0	0		701	77	73		95.0	31.0			
07-14-2013	23:59	0.00	94	56		0	0		702	77	74		93.0	25.0			
07-15-2013	23:59	0.00	87	57		0	0		680	77	74		90.0	40.0			
07-16-2013	23:59	0.00	81	55		0	0		696	76	73		92.0	44.0			
07-17-2013	23:59	0.00	91	50		0	0		696	76	71		100.0	21.0			
07-18-2013	23:59	0.00	94	57		0	0		693	71	65		97.0	24.0			
07-19-2013	23:59	0.00	95	59		0	0		673	73	68		93.0	33.0			
07-20-2013	23:59	0.00	97	62		0	0		648	74	70		87.0	37.0			
07-21-2013	23:59	0.00	93	62		0	0		652	75	72		85.0	41.0			
07-22-2013	23:59	0.00	91	63		0	0		574	75	72		84.0	41.0			
07-23-2013	23:59	0.00	91	65		0	0		614	75	73		79.0	37.0			
07-24-2013	23:59	0.00	96	64		0	0		634	76	72		78.0	38.0			
07-25-2013	23:59	0.00	97	67		0	0		631	77	73		83.0	37.0			
07-26-2013	23:59	0.00	93	62		0	0		650	77	73		84.0	44.0			
07-27-2013	23:59	0.00	91	61		0	0		642	76	73		91.0	42.0			
07-28-2013	23:59	0.00	89	59		0	0		652	76	73		90.0	50.0			
07-29-2013	23:59	0.00	81	55		0	0		615	75	72		92.0	48.0			
07-30-2013	23:59	0.00	88	55		0	0		628	74	71		93.0	39.0			
07-31-2013	23:59	0.00	87	58		0	0		630	74	71		87.0	42.0			

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
7/1/2013	7.00	3.00	6.8	695	415	Good	Grey/Green	None
7/8/2013	7.20	2.33	7.0	710	424	Good	Grey/Green	None
7/15/2013	8.28	2.75	2.5	591	352	Good	Blue/Green	None
7/22/2013	5.86	2.67	2.4	597	356	Good	Blue/Green	None
7/29/2013	5.84	2.71	2.2	582	347	Good	Blue/Green	None
Average	**6.84**	**2.69**	**4.2**	**635**	**379**			

[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
7/15/2013	4.38	3.33	4.8	1,260	Good	Brown/Red	Minimal Tomato
7/22/2013	4.04	3.25	4.7	1,264	Good	Brown/Green	Minimal Tomato
7/29/2013	4.88	3.08	4.4	1,168	Good	Brown/Red	Minimal Tomato
Average	**4.43**	**3.22**	**4.6**	**1,231**			

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
7/15/2013*	4.46	1,360	770	710	3.0	1,149	0.0	0.0	124.5
7/22/2013	4.49	1,194	650	620	0.0	1,651	6.4	28.2	77.8
7/29/2013	5.42	942	610	585	1.8	646	1.1	4.6	74.0
Average	**4.79**	**1,165**	**677**	**638**	**1.6**	**1,149**	**2.5**	**10.9**	**92.1**

*BOD from lab results was 2466 mg/L. A review of grab sampling methods was performed and sample was probably artificially high due to having soil mixed into the sample.

Average of 7/22/2013 and 7/29/2013 was used instead to provide a more accurate calculation.

MORNING STAR

"Excellence Through Commitment"

Field Log: CP/SP 271 Technician: Jon Ikerd

Date: 7-1-13 Weather: 77

COOLING POND

pH 7 EC: 695 umhos/cm Temp: °C 72 °F

Freeboard: 36 inches Time: 0800 (0700-0900 hours)

Sample for dissolved oxygen analysis: Taken with Hach Meter RESULT: 6.8

Levee Condition: Good

Water Color: Grey / Green

Odors: yes / no Strength: _____ Characteristics: _____

Other Observations: _____

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

SETTLING POND

pH EC: ____ umhos/cm Temp: °C °F

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

Sample for dissolved oxygen analysis: RESULT: #1_____ #2_____

Levee Condition: _____

Water Color: _____

Odors: yes / no Strength: _____ Characteristics: _____

Other Observations: _____

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

MORNING STAR

"Excellence Through Commitment"

Field Log: CP/SP 28 Technician: Jon Ikerd

Date: 7-8-13 Weather: 78

COOLING POND

pH 7.2 EC: 710 umhos/cm Temp: °C 76 °F

Freeboard: 28 inches Time: 0740 (0700-0900 hours)

Sample for dissolved oxygen analysis: Taken with Hach Meter RESULT: 7.0

Levee Condition: Good

Water Color: Grey Green

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

Other Observations: _____

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

SETTLING POND

pH EC: ____ umhos/cm Temp: °C °F

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

Sample for dissolved oxygen analysis: RESULT: #1_____ #2_____

Levee Condition: _____

Water Color: _____

Odors: yes / no Strength: _____ Characteristics: _____

Other Observations: _____

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

MORNING STAR

"Excellence Through Commitment"

Field Log: CP/SP # 29 Technician: Sergio C

Date: 7/15/13 Weather: Sunny 88°

COOLING POND

pH: 8.28 EC: 5905 µmhos/cm Temp: 30.5 °C ____ °F

Freeboard: 33 inches Time: 0825 (0700-0900 hours)

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

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: 10.38 EC: 2602 µmhos/cm Temp: 32.4 °C ____ °F

Freeboard: 40 inches Time: 0835 (0700-0900 hours)

HQ10 Hach Portable LDO Dissolved Oxygen Meter (Probe) RESULT: 4.8

Levee Condition: Good

Water Color: Brown/Red

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

Other Observations: Aerator working

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

MORNING STAR

"Excellence Through Commitment"

Field Log: CP/SP # 30 Technician: Sergio

Date: 7/22/13 Weather: Sunny 74°

COOLING POND

pH: 5.86 EC: 5966 µmhos/cm Temp: 35.0 °C ____ °F

Freeboard: 32 inches Time: 0840 (0700-0900 hours)

HQ10 Hach Portable LDO Dissolved Oxygen Meter (Probe) RESULT: 2.4

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: 4.04 EC: 1264 µmhos/cm Temp: 29.4 °C ____ °F

Freeboard: 39 inches Time: 0850 (0700-0900 hours)

HQ10 Hach Portable LDO Dissolved Oxygen Meter (Probe) RESULT: 4.7

Levee Condition: Good

Water Color: Brown Green

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 # 31 Technician: Sergio

Date: 7/29/13 Weather: Clear 69°

COOLING POND

pH: 5.84 EC: 581.5 µmhos/cm Temp: 32.8 (°C) ___ °F

Freeboard: 32½ inches Time: 08:45 (0700-0900 hours)

HQ10 Hach Portable LDO Dissolved Oxygen Meter (Probe) RESULT: 2.2

Levee Condition: Good

Water Color: Blue / Green

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

Other Observations: Moss Screen Working

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

SETTLING POND

pH: 4.88 EC: 1168 µmhos/cm Temp: 26.0 (°C) ___ °F

Freeboard: 37 inches Time: 08:55 (0700-0900 hours)

HQ10 Hach Portable LDO Dissolved Oxygen Meter (Probe) RESULT: 4.4

Levee Condition: Good

Water Color: RED / Brown

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

Other Observations: Aerator Working

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

RECEIVED
JUL 25 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	: 7/15/2013
Date Received	: 7/15/2013
Sampled By	: client
Sample Lab. #	: 07152013
Date Reporting	: 7/23/2013

Analyte	Method #	RL(mg/l)	Sample Results(mg/l)
Settling Pond			
PH	SM 4500-H B	1-14	4.46
EC	SM 2510-B	1.0 umhos/cm	1360.
Total Dissolved Solid (TDS)	SM 2540-D	5.00	770.
Fixed Dissolved Solid (FDS)	SM 2540-E	5.00	710.
Settleable Solid (SS)	SM 2540-F	1.0 ml/l/hr	3.00
(BOD) 5-day	SM 5210-B	0.20	2466.
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	124.5
Pond Water			
PH	SM 4500-H B	1-14	8.46
EC	SM 2510-B	1.0 umohs/cm	570.
Total Dossolved Solid	SM 2540-D	5.00	340.

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

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

CHAIN OF CUSTODY REPORT

CLIENT: Morning star Company
ADDRESS: 2211 old Hwy 99 Williams CA 95987
PHONE: 530 473 3600
PROJECT NAME/SITE: Morning Star
SAMPLER: Sergio Cervantes
DATE: 7/15/13

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

TURNAROUND TIME:

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

SAMPLE ID#/ STATION	SAMPLE DESCRIPTION	NUMBER OF CONT.	TYPE CONT.	SAMPLING TIME/DATE	ANALYSIS REQUESTED / REMARKS	SAMPLE NUMBER
CP	Cooling pond	1	BTL	8:15am	EC / TDS	
SP	Settling pond 1	1	BTL	8:30am	Waste WATER Discharge	
SP	Settling pond 2	1	BTL	8:35am		

RELINQUISHED BY: Sergio Cervantes — DATE: 7/15/13 TIME: 8:40
RECEIVED BY: 7/15/13
RELINQUISHED BY: — DATE: TIME:
RECEIVED BY:
RELINQUISHED BY: — DATE: TIME:
RECEIVED IN LAB BY:

TRAVEL TIME:
ON SITE TIME:
OTHER:

	YES	NO
WERE SAMPLES: PRESERVED?		
IN GOOD CONDITION?		

Nachtmann Analytical Laboratory, Inc.

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JUL 29 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	: 7/22/2013
Date Received	: 7/22/2013
Sampled By	: client
Sample Lab. #	: 07222013
Date Reporting	: 7/28/2013

Analyte	Method #	RL(mg/l)	Sample Results(mg/l)
Settling Pond			
PH	SM 4500-H B	1-14	4.49
EC	SM 2510-B	1.0 umhos/cm	1194
Total Dissolved Solid (TDS)	SM 2540-D	5.00	650.
Fixed Dissolved Solid (FDS)	SM 2540-E	5.00	620.
Settleable Solid (SS)	SM 2540-F	1.0 ml/l/hr	< 1.00
(BOD) 5-day	SM 5210-B	0.20	1,651.
Nitrate as Nitrogen(N-NO3)	SM 4500-NO3E	0.10	6.38
Nitrate (NO3)	SM 4500-NO3E	0.40	28.2
Total Kjeldahl Nitrogen (TKN)	SM 4500-N C	1.00	77.8

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 Co.

ADDRESS: 2211 old Hwy 99 Williams CA 95987

PHONE: 530 473-3600

PROJECT NAME/SITE: Morning Star

SAMPLER: Sergio Covantes

DATE: 7/22/13

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
SP1	Settling Pond 1	1	BTL	0840	WASTE WATER Discharge	
SP2	Settling Pond 2	1	BTL	0845		

RELINQUISHED BY: Sergio Covantes — DATE: 7/22/13 TIME: 0845

RELINQUISHED BY: — DATE: TIME:

RELINQUISHED BY: — DATE: TIME:

RECEIVED BY:

RECEIVED BY:

RECEIVED IN LAB BY:

TRAVEL TIME:

ON SITE TIME:

OTHER:

	YES	NO
WERE SAMPLES: PRESERVED?		
IN GOOD CONDITION?		

Nachtmann Analytical Laboratory, Inc.

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

RECEIVED
AUG 0 8 2013
By

Analytical Laboratory Report

State DHS Cert. # 1419

Client:

The Morning Star Packing Company.
2211 Old HWY 99
Williams, CA. 95987
Attn: Ross Oliveira
Date Reporting : 8/5/2013

CC:

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

Sample ID # : Settling Pond
Sample Matrix: Effluent
Sampling Date: 7/29/2013
Date Received : 7/29
Sampled By : Client
Sample Lab. # : 07292013

Analyte	Method #	RL(mg/l)	Sample Results(mg/l)
Setting Pond			
PH	SM 4500-H B	1-14	5.42
EC	SM 2510-B	1. umhos/cm	942..umhos/cm
Total Dissolved Solid (TDS)*	SM 2540-D	5.0	610.
Fixed Dissolved Solid (FDS)	SM 2540-E	5.0	585.
Settleable Solid	SM 2540-F	1.0ml/l/hr	1.8
(BOD) 5-day	SM 5210-B	0.2	646.
Nitrate as Nitrogen(N-NO3)	SM 4500-NO3E	0.10	1.05
Nitrate (NO3)	SM 4500-NO3E	0.4	4.62
Total Kjeldahl Nitrogen (TKN)	SM 4500-N C	1.0	74.5

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

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

CHAIN OF CUSTODY REPORT

CLIENT: THE MORNING STAR CO.

ADDRESS: 2211 old Hwy 99
Williams CA 95987

PHONE: 530-473-3600

PROJECT NAME/SITE: MORNING STAR

SAMPLER: Sergio Cervantes

DATE: 7/29/13

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
SP 1	Settling pond 1	1	BTL	0840/7/29/13	Waste Wate	
SP2	Settling pond 2	1	BTL	0845/7/29/13		

RELINQUISHED BY: Sergio Cervantes — DATE: 7/29/13 TIME: 0850 — RECEIVED BY: [signature] 7/29/13

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
July-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
7/1/13	15min. Intervals	0	0	0	0	0	0	
7/2/13	15min. Intervals	0	0	0	0	0	0	
7/3/13	15min. Intervals	0	0	0	0	0	0	
7/4/13	15min. Intervals	0	0	0	0	0	0	
7/5/13	15min. Intervals	0	0	0	0	0	0	
7/6/13	15min. Intervals	0	0	0	0	0	0	
7/7/13	15min. Intervals	0	0	0	0	0	0	
7/8/13	15min. Intervals	0	0	0	0	0	0	
7/9/13	15min. Intervals	0	0	0	0	0	0	
7/10/13	15min. Intervals	0	0	0	0	0	0	
7/11/13	15min. Intervals	0	0	0	0	0	0	
7/12/13	15min. Intervals	181	261,200	0	0	406	584,411	
7/13/13	15min. Intervals	335	482,744	0	0	1,030	1,483,330	
7/14/13	15min. Intervals	364	524,552	0	0	1,194	1,720,055	
7/15/13	15min. Intervals	406	585,340	0	0	1,323	1,904,475	
7/16/13	15min. Intervals	401	576,839	0	0	1,223	1,761,309	
7/17/13	15min. Intervals	527	759,115	0	0	1,524	2,194,980	
7/18/13	15min. Intervals	588	847,052	0	0	1,443	2,077,498	
7/19/13	15min. Intervals	705	1,014,586	0	0	1,467	2,112,189	
7/20/13	15min. Intervals	682	982,345	0	0	1,359	1,957,225	
7/21/13	15min. Intervals	805	1,159,530	0	0	1,524	2,194,093	
7/22/13	15min. Intervals	828	1,192,033	0	0	1,538	2,215,425	
7/23/13	15min. Intervals	781	1,124,433	0	0	1,514	2,180,761	
7/24/13	15min. Intervals	1,101	1,585,544	0	0	1,464	2,107,746	
7/25/13	15min. Intervals	1,420	2,044,633	0	0	1,420	2,044,633	
7/26/13	15min. Intervals	1,593	2,293,608	0	0	1,593	2,293,608	
7/27/13	15min. Intervals	1,641	2,362,764	0	0	1,641	2,362,764	
7/28/13	15min. Intervals	1,660	2,390,879	0	0	1,660	2,390,879	
7/29/13	15min. Intervals	1,687	2,428,967	0	0	1,687	2,428,967	
7/30/13	15min. Intervals	1,165	1,676,886	0	0	1,644	2,367,769	
7/31/13	15min. Intervals	822	1,184,348	0	0	1,648	2,373,064	
Average		571	821,852			913	1,314,683	
Minimum		0	0			0	0	
Maximum		1,687	2,428,967			1,687	2,428,967	

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

The Morning Star Packing Company
Water & Constituent Loading Calculations
Field: M. S. 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	770	124.5	0	0.00	551	0	0.00	0.00
2	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
3	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
4	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
5	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
6	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
7	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
8	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
9	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
10	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
11	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
12	296,174	0.13	1,149	770	124.5	0	0.00	523	0	0.00	0.00
13	751,737	0.34	1,149	770	124.5	0	0.00	523	0	0.00	0.00
14	871,707	0.39	1,149	770	124.5	0	0.00	523	0	0.00	0.00
15	965,169	0.43	1,149	770	124.5	0	0.00	523	0	0.00	0.00
16	892,614	0.40	1,149	770	124.5	0	0.00	523	0	0.00	0.00
17	818,383	0.37	1,149	770	124.5	0	0.00	523	0	0.00	0.00
18	0	0.00	1,149	770	124.5	0	0.00	508	0	0.00	0.00
19	0	0.00	1,149	770	124.5	0	0.00	508	0	0.00	0.00
20	0	0.00	1,149	770	124.5	0	0.00	508	0	0.00	0.00
21	0	0.00	1,149	770	124.5	0	0.00	508	0	0.00	0.00
22	0	0.00	1,400	710	104.3	0	0.00	508	0	0.00	0.00
23	0	0.00	1,400	710	104.3	0	0.00	508	0	0.00	0.00
24	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00
25	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00
26	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00
27	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00
28	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00
29	0	0.00	1,149	677	94.7	0	0.00	478	0	0.00	0.00
30	0	0.00	1,149	677	94.7	0	0.00	466	0	0.00	0.00
31	0	0.00	1,149	677	94.7	0	0.00	466	0	0.00	0.00
	4,595,783	2.06				0	0.00		0	0.00	0.00
	14.1	ac-ft				0.0	ac-ft		0.0	ac-ft	0.0
Percent of Total =	100%					0%			0%		

Hydraulic Loading (in)	BOD Loading Total Weight (lbs/day)	BOD Loading Loading Applied (lbs/ac/day)	Nitrogen Loading Total (lbs/day)	Nitrogen Loading Applied (lbs/ac/month)	TDS Loading Total (lbs/day)	TDS Loading Applied (lbs/ac/month)
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.13	2,840	35	308	4	1,903	23
0.34	7,207	88	781	10	4,830	59
0.39	8,358	102	906	11	5,601	68
0.43	9,254	113	1,003	12	6,201	76
0.40	8,558	104	927	11	5,735	70
0.37	7,846	96	850	10	5,258	64
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
2.06	44,063	17 Ave.	4,775	58 Total	29,528	360 Total

Cumulative Loading Calculations

	Nitrogen	TDS
Commercial Applications		
July-13	58 lbs/acre	360 lbs/acre
August-13		
September-13		
Total	**58 lbs/acre**	**360 lbs/acre**

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

LAND APPLICATION AREA: M.S. 5 — 24.6 acres

Day	Settling Pond Effluent Applied (gal)	Settling Pond Effluent Applied (in)	BOD Ave. Applied (mg/l)	TDS Ave. Applied (mg/l)	Nitrogen Ave. Applied (mg/l)	Cooling Pond Effluent Applied (gal)	Cooling Pond Effluent Applied (in)	TDS Ave. Applied (mg/l)	Fresh Irrigation (gal)	Fresh Irrigation (in)	Rainfall (in)	Hydraulic Loading (in)	BOD Loading Total Weight (lbs/day)	BOD Loading Loading Applied (lbs/ac/day)	Nitrogen Loading Total (lbs/day)	Nitrogen Loading Applied (lbs/ac/month)	TDS Loading Total (lbs/day)	TDS Loading Applied (lbs/ac/month)
1	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00	0.00	0	0	0	0	0	0
2	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00	0.00	0	0	0	0	0	0
3	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00	0.00	0	0	0	0	0	0
4	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00	0.00	0	0	0	0	0	0
5	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00	0.00	0	0	0	0	0	0
6	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00	0.00	0	0	0	0	0	0
7	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00	0.00	0	0	0	0	0	0
8	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00	0.00	0	0	0	0	0	0
9	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00	0.00	0	0	0	0	0	0
10	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00	0.00	0	0	0	0	0	0
11	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00	0.00	0	0	0	0	0	0
12	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00	0.00	0	0	0	0	0	0
13	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00	0.00	0	0	0	0	0	0
14	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00	0.00	0	0	0	0	0	0
15	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00	0.00	0	0	0	0	0	0
16	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00	0.00	0	0	0	0	0	0
17	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00	0.00	0	0	0	0	0	0
18	0	0.00	1,149	770	124.5	0	0.00	508	0	0.00	0.00	0.00	0	0	0	0	0	0
19	0	0.00	1,149	770	124.5	0	0.00	508	0	0.00	0.00	0.00	0	0	0	0	0	0
20	0	0.00	1,149	770	124.5	0	0.00	508	0	0.00	0.00	0.00	0	0	0	0	0	0
21	0	0.00	1,149	770	124.5	0	0.00	508	0	0.00	0.00	0.00	0	0	0	0	0	0
22	0	0.00	1,400	710	104.3	0	0.00	508	0	0.00	0.00	0.00	0	0	0	0	0	0
23	0	0.00	1,400	710	104.3	0	0.00	508	0	0.00	0.00	0.00	0	0	0	0	0	0
24	438,297	0.66	1,400	710	104.3	0	0.00	478	0	0.00	0.00	0.66	5,120	208	381	15	2,597	106
25	319,555	0.48	1,400	710	104.3	0	0.00	478	0	0.00	0.00	0.48	3,733	152	278	11	1,893	77
26	358,467	0.54	1,400	710	104.3	0	0.00	478	0	0.00	0.00	0.54	4,188	170	312	13	2,124	86
27	369,276	0.55	1,400	710	104.3	0	0.00	478	0	0.00	0.00	0.55	4,314	175	321	13	2,188	89
28	373,670	0.56	1,400	710	104.3	0	0.00	478	0	0.00	0.00	0.56	4,365	177	325	13	2,214	90
29	439,357	0.66	1,149	677	94.7	0	0.00	478	0	0.00	0.00	0.66	4,212	171	347	14	2,482	101
30	0	0.00	1,149	677	94.7	0	0.00	466	0	0.00	0.00	0.00	0	0	0	0	0	0
31	0	0.00	1,149	677	94.7	0	0.00	466	0	0.00	0.00	0.00	0	0	0	0	0	0
	2,298,622	3.45				0	0.00		0	0.00	0.00	3.45	25,932	35 Ave.	1,964	80 Total	13,498	549 Total
	7.1 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	80 lbs/acre	549 lbs/acre
August-13		
September-13		
Total	**80 lbs/acre**	**549 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	770	124.5	0	0.00	551	0	0.00	0.00
2	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
3	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
4	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
5	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
6	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
7	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
8	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
9	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
10	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
11	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
12	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
13	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
14	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
15	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
16	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
17	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
18	0	0.00	1,149	770	124.5	0	0.00	508	0	0.00	0.00
19	0	0.00	1,149	770	124.5	0	0.00	508	0	0.00	0.00
20	0	0.00	1,149	770	124.5	0	0.00	508	0	0.00	0.00
21	0	0.00	1,149	770	124.5	0	0.00	508	0	0.00	0.00
22	0	0.00	1,400	710	104.3	0	0.00	508	0	0.00	0.00
23	0	0.00	1,400	710	104.3	0	0.00	508	0	0.00	0.00
24	381,283	0.66	1,400	710	104.3	0	0.00	478	0	0.00	0.00
25	277,987	0.48	1,400	710	104.3	0	0.00	478	0	0.00	0.00
26	311,837	0.54	1,400	710	104.3	0	0.00	478	0	0.00	0.00
27	321,240	0.55	1,400	710	104.3	0	0.00	478	0	0.00	0.00
28	325,062	0.56	1,400	710	104.3	0	0.00	478	0	0.00	0.00
29	0	0.00	1,149	677	94.7	0	0.00	478	0	0.00	0.00
30	0	0.00	1,149	677	94.7	0	0.00	466	0	0.00	0.00
31	0	0.00	1,149	677	94.7	0	0.00	466	0	0.00	0.00
	1,617,409	2.79				0	0.00		0	0.00	0.00
	5.0 ac-ft					0.0 ac-ft			0.0 ac-ft		0.0
Percent of Total =	100%					0%			0%		

Hydraulic Loading (in)	BOD Loading Total Weight (lbs/day)	BOD Loading Loading Applied (lbs/ac/day)	Nitrogen Loading Total (lbs/day)	Nitrogen Loading Applied (lbs/ac/month)	TDS Loading Total (lbs/day)	TDS Loading Applied (lbs/ac/month)
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.66	4,454	208	332	16	2,259	106
0.48	3,247	152	242	11	1,647	77
0.54	3,643	170	271	13	1,847	86
0.55	3,753	175	280	13	1,903	89
0.56	3,797	177	283	13	1,926	90
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
2.79	18,894	29 Ave.	1,408	66 Total	9,582	448 Total

Cumulative Loading Calculations	Nitrogen	TDS
Commercial Applications		
July-13	66 lbs/acre	448 lbs/acre
August-13		
September-13		
Total	**66 lbs/acre**	**448 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	770	124.5	0	0.00	551	0	0.00	0.00
2	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
3	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
4	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
5	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
6	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
7	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
8	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
9	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
10	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
11	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
12	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
13	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
14	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
15	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
16	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
17	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
18	0	0.00	1,149	770	124.5	0	0.00	508	0	0.00	0.00
19	0	0.00	1,149	770	124.5	0	0.00	508	0	0.00	0.00
20	0	0.00	1,149	770	124.5	0	0.00	508	0	0.00	0.00
21	0	0.00	1,149	770	124.5	0	0.00	508	0	0.00	0.00
22	0	0.00	1,400	710	104.3	0	0.00	508	0	0.00	0.00
23	417,617	0.43	1,400	710	104.3	0	0.00	508	0	0.00	0.00
24	634,284	0.66	1,400	710	104.3	0	0.00	478	0	0.00	0.00
25	462,446	0.48	1,400	710	104.3	0	0.00	478	0	0.00	0.00
26	518,758	0.54	1,400	710	104.3	0	0.00	478	0	0.00	0.00
27	534,399	0.55	1,400	710	104.3	0	0.00	478	0	0.00	0.00
28	540,758	0.56	1,400	710	104.3	0	0.00	478	0	0.00	0.00
29	635,818	0.66	1,149	677	94.7	0	0.00	478	0	0.00	0.00
30	0	0.00	1,149	677	94.7	0	0.00	466	0	0.00	0.00
31	0	0.00	1,149	677	94.7	0	0.00	466	0	0.00	0.00
	3,744,079	3.88				0	0.00		0	0.00	0.00
	11.5	ac-ft				0.0	ac-ft		0.0	ac-ft	0.0
Percent of Total =	100%					0%			0%		

Hydraulic Loading	BOD Loading		Nitrogen Loading		TDS Loading	
	Total Weight	Loading Applied	Total	Applied	Total	Applied
(in)	(lbs/day)	(lbs/ac/day)	(lbs/day)	(lbs/ac/month)	(lbs/day)	(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
0.43	4,879	137	363	10	2,474	69
0.66	7,410	208	552	16	3,758	106
0.48	5,402	152	402	11	2,740	77
0.54	6,060	170	451	13	3,073	86
0.55	6,243	175	465	13	3,166	89
0.56	6,317	177	471	13	3,204	90
0.66	6,096	171	502	14	3,592	101
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
3.88	42,407	40 Ave.	3,206	90 Total	22,007	618 Total

Cumulative Loading Calculations

	Nitrogen	TDS
Commercial Applications		
July-13	90 lbs/acre	618 lbs/acre
August-13		
September-13		
Total	**90 lbs/acre**	**618 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)	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	770	124.5	0	0.00	551	0	0.00	0.00	0.00	0	0	0	0	0	0
2	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00	0.00	0	0	0	0	0	0
3	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00	0.00	0	0	0	0	0	0
4	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00	0.00	0	0	0	0	0	0
5	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00	0.00	0	0	0	0	0	0
6	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00	0.00	0	0	0	0	0	0
7	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00	0.00	0	0	0	0	0	0
8	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00	0.00	0	0	0	0	0	0
9	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00	0.00	0	0	0	0	0	0
10	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00	0.00	0	0	0	0	0	0
11	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00	0.00	0	0	0	0	0	0
12	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00	0.00	0	0	0	0	0	0
13	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00	0.00	0	0	0	0	0	0
14	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00	0.00	0	0	0	0	0	0
15	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00	0.00	0	0	0	0	0	0
16	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00	0.00	0	0	0	0	0	0
17	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00	0.00	0	0	0	0	0	0
18	506,291	0.42	1,149	770	124.5	0	0.00	508	0	0.00	0.00	0.42	4,854	109	526	12	3,253	73
19	514,745	0.43	1,149	770	124.5	0	0.00	508	0	0.00	0.00	0.43	4,935	111	535	12	3,307	74
20	476,980	0.39	1,149	770	124.5	0	0.00	508	0	0.00	0.00	0.39	4,573	103	496	11	3,065	69
21	534,705	0.44	1,149	770	124.5	0	0.00	508	0	0.00	0.00	0.44	5,127	115	555	12	3,436	77
22	539,904	0.45	1,400	710	104.3	0	0.00	508	0	0.00	0.00	0.45	6,307	142	470	11	3,199	72
23	522,022	0.43	1,400	710	104.3	0	0.00	508	0	0.00	0.00	0.43	6,098	137	454	10	3,093	70
24	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00	0.00	0	0	0	0	0	0
25	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00	0.00	0	0	0	0	0	0
26	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00	0.00	0	0	0	0	0	0
27	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00	0.00	0	0	0	0	0	0
28	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00	0.00	0	0	0	0	0	0
29	0	0.00	1,149	677	94.7	0	0.00	478	0	0.00	0.00	0.00	0	0	0	0	0	0
30	0	0.00	1,149	677	94.7	0	0.00	466	0	0.00	0.00	0.00	0	0	0	0	0	0
31	0	0.00	1,149	677	94.7	0	0.00	466	0	0.00	0.00	0.00	0	0	0	0	0	0
	3,094,646	2.56				0	0.00		0	0.00	0.00	2.56	31,894	24 Ave.	3,036	68 Total	19,353	435 Total
	9.5 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	68 lbs/acre	435 lbs/acre
August-13		
September-13		
Total	**68 lbs/acre**	**435 lbs/acre**

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

LAND APPLICATION AREA: M.S. 15 — 26.7 acres

Day	Settling Pond Effluent Applied (gal)	Settling Pond Effluent Applied (in)	BOD Ave. Applied (mg/l)	TDS Ave. Applied (mg/l)	Nitrogen Ave. Applied (mg/l)	Cooling Pond Effluent Applied (gal)	Cooling Pond Effluent Applied (in)	TDS Ave. Applied (mg/l)	Fresh Irrigation (gal)	Fresh Irrigation (in)	Rainfall (in)
1	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
2	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
3	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
4	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
5	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
6	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
7	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
8	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
9	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
10	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
11	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
12	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
13	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
14	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
15	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
16	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
17	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
18	0	0.00	1,149	770	124.5	0	0.00	508	0	0.00	0.00
19	0	0.00	1,149	770	124.5	0	0.00	508	0	0.00	0.00
20	0	0.00	1,149	770	124.5	0	0.00	508	0	0.00	0.00
21	0	0.00	1,149	770	124.5	0	0.00	508	0	0.00	0.00
22	0	0.00	1,400	710	104.3	0	0.00	508	0	0.00	0.00
23	0	0.00	1,400	710	104.3	0	0.00	508	0	0.00	0.00
24	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00
25	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00
26	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00
27	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00
28	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00
29	0	0.00	1,149	677	94.7	0	0.00	478	0	0.00	0.00
30	245,465	0.34	1,149	677	94.7	0	0.00	466	0	0.00	0.00
31	173,367	0.24	1,149	677	94.7	0	0.00	466	0	0.00	0.00
	418,832	0.58				0	0.00		0	0.00	0.00
	1.3	ac-ft				0.0	ac-ft		0.0	ac-ft	0.0
Percent of Total =	100%					0%			0%		

Hydraulic Loading (in)	BOD Loading Total Weight (lbs/day)	BOD Loading Loading Applied (lbs/ac/day)	Nitrogen Loading Total (lbs/day)	Nitrogen Loading Applied (lbs/ac/month)	TDS Loading Total (lbs/day)	TDS Loading Applied (lbs/ac/month)
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.34	2,353	88	194	7	1,387	52
0.24	1,662	62	137	5	979	37
0.58	4,015	5 Ave.	331	12 Total	2,366	89 Total

Cumulative Loading Calculations

	Nitrogen	TDS
Commercial Applications		
July-13	12 lbs/acre	89 lbs/acre
August-13		
September-13		
Total	**12 lbs/acre**	**89 lbs/acre**

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

LAND APPLICATION AREA:

	M.S. 16 & 17	36.7	acres								
Day	Settling Pond Effluent Applied (gal)	Settling Pond Effluent Applied (in)	BOD Ave. Applied (mg/l)	TDS Ave. Applied (mg/l)	Nitrogen Ave. Applied (mg/l)	Cooling Pond Effluent Applied (gal)	Cooling Pond Effluent Applied (in)	TDS Ave. Applied (mg/l)	Fresh Irrigation (gal)	Fresh Irrigation (in)	Rainfall (in)
1	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
2	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
3	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
4	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
5	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
6	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
7	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
8	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
9	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
10	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
11	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
12	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
13	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
14	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
15	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
16	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
17	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
18	0	0.00	1,149	770	124.5	0	0.00	508	0	0.00	0.00
19	0	0.00	1,149	770	124.5	0	0.00	508	0	0.00	0.00
20	0	0.00	1,149	770	124.5	0	0.00	508	0	0.00	0.00
21	0	0.00	1,149	770	124.5	0	0.00	508	0	0.00	0.00
22	0	0.00	1,400	710	104.3	0	0.00	508	0	0.00	0.00
23	0	0.00	1,400	710	104.3	0	0.00	508	0	0.00	0.00
24	653,882	0.66	1,400	710	104.3	0	0.00	478	0	0.00	0.00
25	476,735	0.48	1,400	710	104.3	0	0.00	478	0	0.00	0.00
26	534,787	0.54	1,400	710	104.3	0	0.00	478	0	0.00	0.00
27	550,911	0.55	1,400	710	104.3	0	0.00	478	0	0.00	0.00
28	557,467	0.56	1,400	710	104.3	0	0.00	478	0	0.00	0.00
29	655,464	0.66	1,149	677	94.7	0	0.00	478	0	0.00	0.00
30	337,400	0.34	1,149	677	94.7	0	0.00	466	0	0.00	0.00
31	238,298	0.24	1,149	677	94.7	0	0.00	466	0	0.00	0.00
	3,766,645	3.79				0	0.00		0	0.00	0.00
	11.6	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)
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.66	7,639	**208**	569	**16**	3,874	**106**
0.48	5,569	**152**	415	**11**	2,824	**77**
0.54	6,247	**170**	465	**13**	3,168	**86**
0.55	6,436	**175**	479	**13**	3,264	**89**
0.56	6,512	**177**	485	**13**	3,303	**90**
0.66	6,284	**171**	518	**14**	3,703	**101**
0.34	3,235	**88**	267	**7**	1,906	**52**
0.24	2,285	**62**	188	**5**	1,346	**37**
3.79	**41,922**	**38 Ave.**	**3,198**	**87 Total**	**22,042**	**601 Total**

Cumulative Loading Calculations	**Nitrogen**	**TDS**
Commercial Applications		
July-13	87 lbs/acre	601 lbs/acre
August-13		
September-13		
Total	**87 lbs/acre**	**601 lbs/acre**

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

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

Day	Settling Pond Effluent Applied (gal)	Settling Pond Effluent Applied (in)	BOD Ave. Applied (mg/l)	TDS Ave. Applied (mg/l)	Nitrogen Ave. Applied (mg/l)	Cooling Pond Effluent Applied (gal)	Cooling Pond Effluent Applied (in)	TDS Ave. Applied (mg/l)	Fresh Irrigation (gal)	Fresh Irrigation (in)	Rainfall (in)	Hydraulic Loading (in)	BOD Loading Total Weight (lbs/day)	BOD Loading Loading Applied (lbs/ac/day)	Nitrogen Loading Total (lbs/day)	Nitrogen Loading Applied (lbs/ac/month)	TDS Loading Total (lbs/day)	TDS Loading Applied (lbs/ac/month)
1	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
2	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
3	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
4	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
5	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
6	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
7	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
8	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
9	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
10	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
11	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
12	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
13	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
14	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
15	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
16	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
17	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
18	0	0.00	1,149	770	124.5	0	0.00	508	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
19	0	0.00	1,149	770	124.5	0	0.00	508	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
20	0	0.00	1,149	770	124.5	0	0.00	508	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
21	0	0.00	1,149	770	124.5	0	0.00	508	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
22	0	0.00	1,400	710	104.3	0	0.00	508	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
23	0	0.00	1,400	710	104.3	0	0.00	508	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
24	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
25	507,911	0.48	1,400	710	104.3	0	0.00	478	0	0.00	0.00	0.48	5,934	**152**	442	**11**	3,009	**77**
26	569,759	0.54	1,400	710	104.3	0	0.00	478	0	0.00	0.00	0.54	6,656	**170**	496	**13**	3,376	**86**
27	586,938	0.55	1,400	710	104.3	0	0.00	478	0	0.00	0.00	0.55	6,857	**175**	511	**13**	3,477	**89**
28	593,922	0.56	1,400	710	104.3	0	0.00	478	0	0.00	0.00	0.56	6,938	**177**	517	**13**	3,519	**90**
29	698,328	0.66	1,149	677	94.7	0	0.00	478	0	0.00	0.00	0.66	6,695	**171**	552	**14**	3,945	**101**
30	359,464	0.34	1,149	677	94.7	0	0.00	466	0	0.00	0.00	0.34	3,446	**88**	284	**7**	2,031	**52**
31	0	0.00	1,149	677	94.7	0	0.00	466	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
	3,316,322	**3.13**				**0**	**0.00**		**0**	**0.00**	**0.00**	**3.13**	**36,526**	**30 Ave.**	**2,802**	**72 Total**	**19,357**	**495 Total**
	10.2 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	72 lbs/acre	495 lbs/acre
August-13		
September-13		
Total	**72 lbs/acre**	**495 lbs/acre**

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

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

Day	Settling Pond Effluent Applied (gal)	Settling Pond Effluent Applied (in)	BOD Ave. Applied (mg/l)	TDS Ave. Applied (mg/l)	Nitrogen Ave. Applied (mg/l)	Cooling Pond Effluent Applied (gal)	Cooling Pond Effluent Applied (in)	TDS Ave. Applied (mg/l)	Fresh Irrigation (gal)	Fresh Irrigation (in)	Rainfall (in)
1	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
2	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
3	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
4	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
5	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
6	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
7	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
8	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
9	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
10	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
11	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
12	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
13	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
14	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
15	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
16	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
17	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
18	0	0.00	1,149	770	124.5	0	0.00	508	0	0.00	0.00
19	0	0.00	1,149	770	124.5	0	0.00	508	0	0.00	0.00
20	0	0.00	1,149	770	124.5	0	0.00	508	0	0.00	0.00
21	0	0.00	1,149	770	124.5	0	0.00	508	0	0.00	0.00
22	0	0.00	1,400	710	104.3	0	0.00	508	0	0.00	0.00
23	0	0.00	1,400	710	104.3	0	0.00	508	0	0.00	0.00
24	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00
25	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00
26	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00
27	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00
28	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00
29	0	0.00	1,149	677	94.7	0	0.00	478	0	0.00	0.00
30	0	0.00	1,149	677	94.7	0	0.00	466	0	0.00	0.00
31	253,882	0.24	1,149	677	94.7	0	0.00	466	0	0.00	0.00
	0	**0.00**				**0**	**0.00**		**0**	**0.00**	**0.00**
	0.0	**ac-ft**				**0.0**	**ac-ft**		**0.0**	**ac-ft**	**0.0**
Percent of Total =	**#DIV/0!**					**#DIV/0!**			**#DIV/0!**		

Hydraulic Loading (in)	BOD Loading: Total Weight (lbs/day)	BOD Loading: Loading Applied (lbs/ac/day)	Nitrogen Loading: Total (lbs/day)	Nitrogen Loading: Applied (lbs/ac/month)	TDS Loading: Total (lbs/day)	TDS Loading: Applied (lbs/ac/month)
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.24	2,434	**62**	201	**5**	1,434	**37**
0.00	**0**	**0 Ave.**	**0**	**0 Total**	**0**	**0 Total**

Cumulative Loading Calculations	**Nitrogen**	**TDS**
Commercial Applications		
July-13	0 lbs/acre	0 lbs/acre
August-13		
September-13		
Total	**0 lbs/acre**	**0 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	770	124.5	0	0.00	551	0	0.00	0.00
2	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
3	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
4	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
5	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
6	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
7	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
8	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
9	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
10	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
11	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
12	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
13	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
14	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
15	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
16	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
17	321,970	0.37	1,149	770	124.5	0	0.00	523	0	0.00	0.00
18	367,487	0.42	1,149	770	124.5	0	0.00	508	0	0.00	0.00
19	373,624	0.43	1,149	770	124.5	0	0.00	508	0	0.00	0.00
20	0	0.00	1,149	770	124.5	0	0.00	508	0	0.00	0.00
21	0	0.00	1,149	770	124.5	0	0.00	508	0	0.00	0.00
22	0	0.00	1,400	710	104.3	0	0.00	508	0	0.00	0.00
23	0	0.00	1,400	710	104.3	0	0.00	508	0	0.00	0.00
24	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00
25	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00
26	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00
27	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00
28	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00
29	0	0.00	1,149	677	94.7	0	0.00	478	0	0.00	0.00
30	0	0.00	1,149	677	94.7	0	0.00	466	0	0.00	0.00
31	0	0.00	1,149	677	94.7	0	0.00	466	0	0.00	0.00
	1,063,081	1.22				0	0.00		0	0.00	0.00
	3.3	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: 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	0.37	3,087	96	334	10	2,069	64
18	0.42	3,523	109	382	12	2,361	73
19	0.43	3,582	111	388	12	2,401	74
20	0.00	0	0	0	0	0	0
21	0.00	0	0	0	0	0	0
22	0.00	0	0	0	0	0	0
23	0.00	0	0	0	0	0	0
24	0.00	0	0	0	0	0	0
25	0.00	0	0	0	0	0	0
26	0.00	0	0	0	0	0	0
27	0.00	0	0	0	0	0	0
28	0.00	0	0	0	0	0	0
29	0.00	0	0	0	0	0	0
30	0.00	0	0	0	0	0	0
31	0.00	0	0	0	0	0	0
	1.22	10,192	11 Ave.	1,104	34 Total	6,831	211 Total

Cumulative Loading Calculations

	Nitrogen	TDS
Commercial Applications		
July-13	34 lbs/acre	211 lbs/acre
August-13		
September-13		
Total	**34 lbs/acre**	**211 lbs/acre**

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

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

Day	Settling Pond Effluent Applied (gal)	Settling Pond Effluent Applied (in)	BOD Ave. Applied (mg/l)	TDS Ave. Applied (mg/l)	Nitrogen Ave. Applied (mg/l)	Cooling Pond Effluent Applied (gal)	Cooling Pond Effluent Applied (in)	TDS Ave. Applied (mg/l)	Fresh Irrigation (gal)	Fresh Irrigation (in)	Rainfall (in)
1	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
2	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
3	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
4	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
5	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
6	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
7	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
8	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
9	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
10	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
11	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
12	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
13	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
14	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
15	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
16	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
17	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
18	0	0.00	1,149	770	124.5	0	0.00	508	0	0.00	0.00
19	0	0.00	1,149	770	124.5	0	0.00	508	0	0.00	0.00
20	346,212	0.39	1,149	770	124.5	0	0.00	508	0	0.00	0.00
21	388,112	0.44	1,149	770	124.5	0	0.00	508	0	0.00	0.00
22	391,885	0.45	1,400	710	104.3	0	0.00	508	0	0.00	0.00
23	0	0.00	1,400	710	104.3	0	0.00	508	0	0.00	0.00
24	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00
25	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00
26	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00
27	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00
28	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00
29	0	0.00	1,149	677	94.7	0	0.00	478	0	0.00	0.00
30	0	0.00	1,149	677	94.7	0	0.00	466	0	0.00	0.00
31	0	0.00	1,149	677	94.7	0	0.00	466	0	0.00	0.00
	1,126,209	1.28				0	0.00		0	0.00	0.00
	3.5	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	0.39	3,319	103	360	11	2,224	69
21	0.44	3,721	115	403	12	2,494	77
22	0.45	4,578	142	341	11	2,322	72
23	0.00	0	0	0	0	0	0
24	0.00	0	0	0	0	0	0
25	0.00	0	0	0	0	0	0
26	0.00	0	0	0	0	0	0
27	0.00	0	0	0	0	0	0
28	0.00	0	0	0	0	0	0
29	0.00	0	0	0	0	0	0
30	0.00	0	0	0	0	0	0
31	0.00	0	0	0	0	0	0
	1.28	11,618	12 Ave.	1,104	34 Total	7,040	218 Total

Cumulative Loading Calculations

	Nitrogen	TDS
Commercial Applications		
July-13	34 lbs/acre	218 lbs/acre
August-13		
September-13		
Total	**34 lbs/acre**	**218 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	770	124.5	0	0.00	551	0	0.00	0.00	0.00	0	0	0	0	0	0
2	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00	0.00	0	0	0	0	0	0
3	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00	0.00	0	0	0	0	0	0
4	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00	0.00	0	0	0	0	0	0
5	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00	0.00	0	0	0	0	0	0
6	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00	0.00	0	0	0	0	0	0
7	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00	0.00	0	0	0	0	0	0
8	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00	0.00	0	0	0	0	0	0
9	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00	0.00	0	0	0	0	0	0
10	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00	0.00	0	0	0	0	0	0
11	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00	0.00	0	0	0	0	0	0
12	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00	0.00	0	0	0	0	0	0
13	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00	0.00	0	0	0	0	0	0
14	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00	0.00	0	0	0	0	0	0
15	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00	0.00	0	0	0	0	0	0
16	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00	0.00	0	0	0	0	0	0
17	258,174	0.37	1,149	770	124.5	0	0.00	523	0	0.00	0.00	0.37	2,475	96	268	10	1,659	64
18	294,672	0.42	1,149	770	124.5	0	0.00	508	0	0.00	0.00	0.42	2,825	109	306	12	1,893	73
19	299,593	0.43	1,149	770	124.5	0	0.00	508	0	0.00	0.00	0.43	2,872	111	311	12	1,925	74
20	277,613	0.39	1,149	770	124.5	0	0.00	508	0	0.00	0.00	0.39	2,662	103	288	11	1,784	69
21	311,210	0.44	1,149	770	124.5	0	0.00	508	0	0.00	0.00	0.44	2,984	115	323	12	2,000	77
22	314,236	0.45	1,400	710	104.3	0	0.00	508	0	0.00	0.00	0.45	3,671	142	273	11	1,862	72
23	303,828	0.43	1,400	710	104.3	0	0.00	508	0	0.00	0.00	0.43	3,549	137	264	10	1,800	69
24	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00	0.00	0	0	0	0	0	0
25	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00	0.00	0	0	0	0	0	0
26	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00	0.00	0	0	0	0	0	0
27	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00	0.00	0	0	0	0	0	0
28	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00	0.00	0	0	0	0	0	0
29	0	0.00	1,149	677	94.7	0	0.00	478	0	0.00	0.00	0.00	0	0	0	0	0	0
30	0	0.00	1,149	677	94.7	0	0.00	466	0	0.00	0.00	0.00	0	0	0	0	0	0
31	0	0.00	1,149	677	94.7	0	0.00	466	0	0.00	0.00	0.00	0	0	0	0	0	0
	2,059,328	2.93				0	0.00		0	0.00	0.00	2.93	21,038	27 Ave.	2,033	78 Total	12,923	499 Total
	6.3	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		
September-13		
Total	**78 lbs/acre**	**499 lbs/acre**

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

LAND APPLICATION AREA: M.S. 24 Ch1 — 79.9 acres

Day	Settling Pond Effluent Applied (gal)	Settling Pond Effluent Applied (in)	BOD Ave. Applied (mg/l)	TDS Ave. Applied (mg/l)	Nitrogen Ave. Applied (mg/l)	Cooling Pond Effluent Applied (gal)	Cooling Pond Effluent Applied (in)	TDS Ave. Applied (mg/l)	Fresh Irrigation (gal)	Fresh Irrigation (in)	Rainfall (in)
1	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
2	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
3	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
4	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
5	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
6	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
7	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
8	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
9	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
10	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
11	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
12	288,237	0.13	1,149	770	124.5	0	0.00	523	0	0.00	0.00
13	731,593	0.34	1,149	770	124.5	0	0.00	523	0	0.00	0.00
14	848,348	0.39	1,149	770	124.5	0	0.00	523	0	0.00	0.00
15	939,306	0.43	1,149	770	124.5	0	0.00	523	0	0.00	0.00
16	868,695	0.40	1,149	770	124.5	0	0.00	523	0	0.00	0.00
17	796,453	0.37	1,149	770	124.5	0	0.00	523	0	0.00	0.00
18	0	0.00	1,149	770	124.5	0	0.00	508	0	0.00	0.00
19	0	0.00	1,149	770	124.5	0	0.00	508	0	0.00	0.00
20	0	0.00	1,149	770	124.5	0	0.00	508	0	0.00	0.00
21	0	0.00	1,149	770	124.5	0	0.00	508	0	0.00	0.00
22	0	0.00	1,400	710	104.3	0	0.00	508	0	0.00	0.00
23	0	0.00	1,400	710	104.3	0	0.00	508	0	0.00	0.00
24	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00
25	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00
26	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00
27	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00
28	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00
29	0	0.00	1,149	677	94.7	0	0.00	478	0	0.00	0.00
30	1,037,197	0.48	1,149	677	94.7	0	0.00	466	0	0.00	0.00
31	1,039,517	0.48	1,149	677	94.7	0	0.00	466	0	0.00	0.00
	5,509,829	2.54				0	0.00		0	0.00	0.00
	16.9	ac-ft				0.0	ac-ft		0.0	ac-ft	0.0
Percent of Total =	100%					0%			0%		

Hydraulic Loading (in)	BOD Loading Total Weight (lbs/day)	BOD Loading Loading Applied (lbs/ac/day)	Nitrogen Loading Total (lbs/day)	Nitrogen Loading Applied (lbs/ac/month)	TDS Loading Total (lbs/day)	TDS Loading Applied (lbs/ac/month)
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.13	2,764	35	299	4	1,852	23
0.34	7,014	88	760	10	4,701	59
0.39	8,134	102	881	11	5,451	68
0.43	9,006	113	976	12	6,035	76
0.40	8,329	104	902	11	5,582	70
0.37	7,636	96	827	10	5,117	64
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.48	9,944	124	820	10	5,859	73
0.48	9,967	125	821	10	5,872	73
2.54	52,827	22 Ave.	5,465	68 Total	34,597	433 Total

Cumulative Loading Calculations

	Nitrogen	TDS
Commercial Applications		
July-13	68 lbs/acre	433 lbs/acre
August-13		
September-13		
Total	**68 lbs/acre**	**433 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	770	124.5	0	0.00	551	0	0.00	0.00
2	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
3	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
4	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
5	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
6	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
7	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
8	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
9	0	0.00	1,149	770	124.5	0	0.00	551	0	0.00	0.00
10	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
11	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
12	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
13	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
14	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
15	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
16	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
17	0	0.00	1,149	770	124.5	0	0.00	523	0	0.00	0.00
18	909,048	0.42	1,149	770	124.5	0	0.00	508	0	0.00	0.00
19	924,227	0.43	1,149	770	124.5	0	0.00	508	0	0.00	0.00
20	856,420	0.39	1,149	770	124.5	0	0.00	508	0	0.00	0.00
21	960,066	0.44	1,149	770	124.5	0	0.00	508	0	0.00	0.00
22	969,400	0.45	1,400	710	104.3	0	0.00	508	0	0.00	0.00
23	937,293	0.43	1,400	710	104.3	0	0.00	508	0	0.00	0.00
24	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00
25	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00
26	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00
27	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00
28	0	0.00	1,400	710	104.3	0	0.00	478	0	0.00	0.00
29	0	0.00	1,149	677	94.7	0	0.00	478	0	0.00	0.00
30	0	0.00	1,149	677	94.7	0	0.00	466	0	0.00	0.00
31	0	0.00	1,149	677	94.7	0	0.00	466	0	0.00	0.00
	5,556,454	2.56				0	0.00		0	0.00	0.00
	17.1 ac-ft					0.0 ac-ft			0.0 ac-ft		0.0
Percent of Total =	100%					0%			0%		

Hydraulic Loading (in)	BOD Loading Total Weight (lbs/day)	BOD Loading Loading Applied (lbs/ac/day)	Nitrogen Loading Total (lbs/day)	Nitrogen Loading Applied (lbs/ac/month)	TDS Loading Total (lbs/day)	TDS Loading Applied (lbs/ac/month)
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.42	8,716	**109**	944	**12**	5,841	**73**
0.43	8,861	**111**	960	**12**	5,938	**74**
0.39	8,211	**103**	890	**11**	5,503	**69**
0.44	9,205	**115**	997	**12**	6,169	**77**
0.45	11,325	**142**	844	**11**	5,743	**72**
0.43	10,950	**137**	816	**10**	5,553	**69**
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
2.56	57,268	24 Ave.	5,451	68 Total	34,747	435 Total

Cumulative Loading Calculations

	Nitrogen	TDS
Commercial Applications		
July-13	68 lbs/acre	435 lbs/acre
August-13		
September-13		
Total	**68 lbs/acre**	**435 lbs/acre**

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # 2/3 Technician: Sergio

Date: 7/11/13 Weather: Sunny 85°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 213 Technician: Sergio

Date: 7/12/13 Weather: Sunny 88°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD _____
3. Standpipe and flow control valve condition N/A Lift 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 88° 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: 7/13/13 Weather: Sunny 89°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 213 Technician: Sergio

Date: 7/14/13 Weather: Sunny 84°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift 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) _____

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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 84° 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: 7/15/13 Weather: Sunny 88°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 88° 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: 7/16/13 Weather: Sunny 89°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 213 Technician: Sergio

Date: 7/17/13 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 looks Good

MORNING STAR

"Excellence Through Conservation"

LAND APPLICATION AREA MONITORING

Daily **POST**-Application Inspection Observations:

Field No: # 2/3 Technician: Sergio

Date: 7/18/13 Weather: Clear 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) _____

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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: Clear 90° No Wind
14. Other observations: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # 5 Technician: Sergio

Date: 7/23/13 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: Pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 5 Technician: Sergio

Date: 7/24/13 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: # 5 Technician: Sergio

Date: 7/25/13 Weather: Sunny 99°

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

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

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 99° 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: 7/26/13 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° 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: 7/27/13 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 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 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: # 5 Technician: Sergio

Date: 7/28/13 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: # 5 Technician: Sergio

Date: 7/29/13 Weather: Clear 69°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **POST**-Application Inspection Observations:

Field No: # 5 . Technician: Sergio

Date: 7/30/13 Weather: Clear 76°

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

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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: Clear 76° 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: 7/23/13 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: Grass looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 6 Technician: Sergio

Date: 7/24/13 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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 6 Technician: Sergio

Date: 7/25/13 Weather: Sunny 99°

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

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

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10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no)
12. Are there any insects: yes / (no)
13. Temperature and wind direction/strength: Sunny 99° No wind
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: 7/26/13 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° No wind
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: 7/27/13 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: # 6 Technician: Sergio

Date: 7/28/13 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 **POST**-Application Inspection Observations:

Field No: # 6 . Technician: Sergio

Date: 7/29/13 Weather: Clear 69°

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

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

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # 11 Technician: Sergio

Date: 7/22/13 Weather: Sunny 80°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 80° 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: 7/23/13 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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 11 Technician: Sergio

Date: 7/24/13 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: # 11 Technician: Sergio

Date: 7/25/13 Weather: Sunny 99°

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

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

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny/ 99° 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: 7/26/13 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° 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: 7/27/13 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: # 11 Technician: Sergio

Date: 7/28/13 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: # 11 Technician: Sergio

Date: 7/29/13 Weather: clear 69°

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

LAND APPLICATION AREA MONITORING

Daily **POST**-Application Inspection Observations:

Field No: # 11 . Technician: Sergio

Date: 7/30/13 Weather: Clear 76°

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

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

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10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Clear 76° 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: 7/17/13 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 **DURING**-Application Inspection Observations:

Field No: # 14 Technician: Sergio

Date: 7/18/13 Weather: clear 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: Clear 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: # 14 Technician: Sergio

Date: 7/19/13 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: Sunny 93° 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: 7/20/13 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° Wind 2mph 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: 7/21/13 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: # 14 Technician: Sergio

Date: 7/22/13 Weather: Sunny 80°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 80° 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: 7/23/13 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

LAND APPLICATION AREA MONITORING

Daily **POST**-Application Inspection Observations:

Field No: # 14 . Technician: Sergio

Date: 7/24/13 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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # 15 Technician: Sergio

Date: 7/29/13 Weather: Clear 69°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Clear 69° 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: 7/30/13 Weather: Clear 76°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Clear 76° 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: 7/31/13 Weather: Clear 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: Clear 77° No Wind
14. Other observations: Crop looks good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # 16/17 Technician: Sergio

Date: 7/23/13 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: # 16/17 Technician: Sergio

Date: 7/24/13 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: # 16/17 Technician: Sergio

Date: 7/25/13 Weather: Sunny 99°

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 99° 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: 7/26/13. 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° 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: 7/27/13 Weather: Sunny 89°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 16/17 Technician: Sergio

Date: 7/28/13 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: # 16/17 Technician: Sergio

Date: 7/29/13 Weather: clear 69°

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: Clear 69° 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: 7/30/13 Weather: clear 76°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Clear 76° 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: 7|31|13 Weather: Clear 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: Clear 77° No Wind
14. Other observations: Crop looks Good

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # 18ch1 Technician: Sergio

Date: 7/24/13 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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 18ch1 Technician: Sergio

Date: 7/25/13 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: Crop looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 18ch1 Technician: Sergio

Date: 7/26/13 Weather: Sunny 89°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift 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 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: 7/27/13 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: 7/28/13 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: # 18ch1 Technician: Sergio

Date: 7/29/13 Weather: Clear 69°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 18 & 1 Technician: Sergio

Date: 7/30/13 Weather: Clear 76°

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

MORNING STAR

"Excellence Through Conservation"

LAND APPLICATION AREA MONITORING

Daily **POST**-Application Inspection Observations:

Field No: # 18ch1 Technician: Sergio

Date: 7/31/13 Weather: Clear 77°

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) _____

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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: Clear 77° No Wind
14. Other observations: crop looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # 18ch2 Technician: Sergio

Date: 7/30/13 Weather: Clear 76°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A CIFT Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. 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: Clear 76° 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: 7/31/13 Weather: Clear 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: Clear 77° No Wind
14. Other observations: Crop looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # 20ch1 Technician: Sergio

Date: 7/16/13 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: # 20ch1 Technician: Sergio

Date: 7/17/13 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: # 20h1 Technician: Sergio

Date: 7/18/13 Weather: clear 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: clear 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: # 20ch1 Technician: Sergio

Date: 7/19/13 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: Sunny 93° No wind
14. Other observations: Crop Looks Good

LAND APPLICATION AREA MONITORING

Daily **POST**-Application Inspection Observations:

Field No: # 20ch1 Technician: Sergio

Date: 7/20/13 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° Wind 2mph S
14. Other observations: _____

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # 20ch2 Technician: Sergio

Date: 7/19/13 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: Sunny 93° No Wind
14. Other observations: Crop looks GOOD

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: #20ch2 Technician: Sergio

Date: 7/20/13 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° Wind 2mphS
14. Other observations: Crop Looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 20ch2 Technician: Sergio

Date: 7/24/13 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° No Wind
14. Other observations: Crop Looks Good

MORNING STAR

"Excellence Through Commitment"

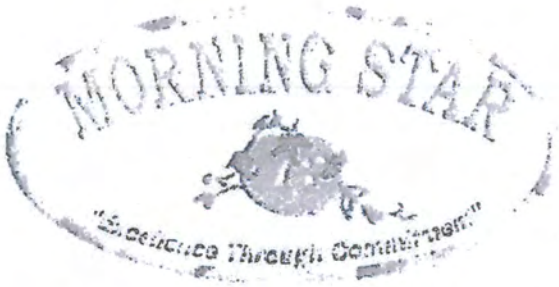
LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 20ch2 Technician: Sergio

Date: 7/22/13 Weather: Sunny 80°

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



LAND APPLICATION AREA MONITORING

Daily **POST**-Application Inspection Observations:

Field No: # 20ch2 Technician: Sergio

Date: 7/23/13 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 **PRE**-Application Inspection Observations:

Field No: # 21 Technician: Sergio

Date: 7/16/13 Weather: Sunny 89°

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

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

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 21 Technician: Sergio

Date: 7/17/13 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: # 21 Technician: Sergio

Date: 7/18/13 Weather: Clear 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) _____

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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: Clear 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: # 21 Technician: Sergio

Date: 7/19/13 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: Sunny 93° 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: 7/20/13 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° Wind 2mph 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: 7/21/13 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: # 21 Technician: Sergio

Date: 7/22/13 Weather: Sunny 80°

1. Any evidence of erosion: yes / (no)
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no)
12. Are there any insects: yes / (no)
13. Temperature and wind direction/strength: Sunny 80° 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: 7/23/13 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

LAND APPLICATION AREA MONITORING

Daily **POST**-Application Inspection Observations:

Field No: # 21 Technician: Sergio

Date: 7/24/13 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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # 24ch1 Technician: Sergio

Date: 7/11/13 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) _____

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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 85° No wind
14. Other observations: Pasture Looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 24ch1 Technician: Sergio

Date: 7/12/13 Weather: Sunny 88°

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 88° No wind
14. Other observations: pasture look good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 24ch1 Technician: Sergio

Date: 7/13/13 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: # 24ch1 Technician: Sergio

Date: 7/14/13 Weather: Sunny 84°

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 84° 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: 7/15/13 Weather: Sunny 88°

1. Any evidence of erosion: yes / (no)
2. Berm Condition GOOD
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) no
5. Is there any soil saturation: yes / (no)
6. Is there any ponding: yes / (no)
7. Is there any potential runoff to off-site areas: yes / (no)
8. Is there any potential and actual discharge to surface water: yes / (no)
9. Are there any accumulation of organic solids at soil surface: yes / (no)
10. Is there any soil clogging: yes / (no)
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no)
12. Are there any insects: yes / (no)
13. Temperature and wind direction/strength: Sunny 88° 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: 7/16/13 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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 24ch1 Technician: Sergio

Date: 7/17/13 Weather: Sunny 88°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift 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 88° No Wind
14. Other observations: pasture looks Good

LAND APPLICATION AREA MONITORING

Daily **POST**-Application Inspection Observations:

Field No: # 24ch1 Technician: Sergio

Date: 7/18/13 Weather: clear 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) _____

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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: clear 90° No wind
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: 7/29/13 Weather: Clear 69°

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

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

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 24ch1 Technician: Sergio

Date: 7/30/13 Weather: Clear 76°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Clear 76° 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: 7/31/13 Weather: Clear 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) _____

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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: Clear 77° No wind
14. Other observations: Crop looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # 24ch2 Technician: Sergio

Date: 7/17/13 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: # 24ch2 Technician: Sergio

Date: 7/18/13 Weather: clear 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: clear 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: 7/19/13 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: 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: 7/20/13 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° Wind 2mphS
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: 7/21/13 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: # 24/ch2 Technician: Sergio

Date: 7/22/13 Weather: Sunny 80°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 24ch2 Technician: Sergio

Date: 7/23/13 Weather: Sunny 82°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift 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 82° No wind
14. Other observations: Pasture looks good

MORNING STAR

"Excellence Through Conservation"

LAND APPLICATION AREA MONITORING

Daily **POST**-Application Inspection Observations:

Field No: # 24ch2 Technician: Sergio

Date: 7/24/13 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: pasture looks Good