CLSA

Monitoring Report Submittal Transmittal Form

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

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

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

Check all that apply:

Monthly Monitoring Report for the month of OCTOBER

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

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

Annual Monitoring Report for the year _____

Violation Notification

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

1. The violations were:

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

Certification Statement

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

Signature: _____ Phone: (916) 719-5650

Printed Name: ROSS OLIVEIRA Date: 11/30/12

Staff: GJC
Logged in as received: 12/5/2012 SAH
Date reviewed:
Violations?:
Logged in as Reviewed:

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

28 November 2012

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

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

Dear Mr. Childs:

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

Tomato processing at the Williams facility ended on 11 October 2012 and discharges from clean-up ended on 12 October 2012.

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

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

Respectfully yours,

Ross Oliveira

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

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

Time Period: October 1, 2012 to October 31, 2012, retrieved on November 2, 2012

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

DATE	OBS TIME	PRECIP AMOUNT & TYPE	AIR TEMPERATURE			WIND		ETo	SOL RAD	SOIL T		WX	RELATIVE HUMIDITY		BULB TEMP		PAN EVAP
			MAX	MIN	OBS	DD	SS			MAX	MIN		MAX	MIN	WET	DRY	
MM DD YYYY	HH:MM	(IN)	(F)					(IN)	(LY)	(F)					(F)		(IN)
10-01-2012	23:59	0.00	97	52		E	2		424	71	66		98.0	24.3			
10-02-2012	23:59	0.00	94	53		E	3		419	71	67		95.0	21.5			
10-03-2012	23:59	0.00	93	53		SE	3		412	71	66		96.3	25.0			
10-04-2012	23:59	0.00	80	59		SE	6		395	71	67		82.7	44.8			
10-05-2012	23:59	0.00	76	56		SE	4		348	69	66		88.7	47.4			
10-06-2012	23:59	0.00	75	50		SE	3		399	69	65		98.4	45.9			
10-07-2012	23:59	0.00	79	47		SE	3		391	69	64		98.8	41.8			
10-08-2012	23:59	0.00	75	53		SE	5		384	68	65		87.9	41.3			
10-09-2012	23:59	0.00	76	46		SE	3		383	67	64		96.9	40.6			
10-10-2012	23:59	0.00	80	48		SE	3		375	67	64		97.0	31.4			
10-11-2012	23:59	0.00	72	51		SE	6		354	67	59		95.7	51.5			
10-12-2012	23:59	0.00	64	44		E	2		169	63	61		99.8	62.7			
10-13-2012	23:59	0.00	79	44		SE	3		357	63	60		98.9	43.3			
10-14-2012	23:59	0.00	79	51		SE	3		348	65	61		96.5	49.3			
10-15-2012	23:59	0.00	83	51		N	2		342	65	62		98.8	40.6			
10-16-2012	23:59	0.00	86	59		SE	4		343	66	63		81.7	29.7			
10-17-2012	23:59	0.00	88	53		N	9		358	66	62		60.5	13.1			
10-18-2012	23:59	0.00	88	47		SE	3		340	65	61		78.4	24.2			
10-19-2012	23:59	0.00	81	48		SE	3		329	65	62		98.4	43.1			
10-20-2012	23:59	0.00	77	49		SE	3		330	65	63		99.6	44.8			
10-21-2012	23:59	0.00	68	48		SE	4		254	64	62		95.7	43.9			
10-22-2012	23:59	0.52	64	50		S	9		262	63	60		98.0	49.9			
10-23-2012	23:59	0.01	62	47		SE	5		278	61	59		85.1	50.6			
10-24-2012	23:59	0.02	64	48		SE	6		241	61	58		98.0	61.5			
10-25-2012	23:59	0.00	66	45		N	6		337	60	58		98.9	43.7			
10-26-2012	23:59	0.00	75	44		N	4		318	60	57		84.4	25.3			
10-27-2012	23:59	0.00	82	47		N	4		315	61	58		94.2	35.6			
10-28-2012	23:59	0.00	78	49		E	2		294	62	59		98.2	45.9			
10-29-2012	23:59	0.00	78	48		E	2		305	62	59		99.8	44.7			
10-30-2012	23:59	0.00	75	46		SE	3		283	62	59		100.0	53.6			
10-31-2012	23:59	0.31	63	53		SE	6		85	61	60		98.9	69.1			

31 records listed

The Morning Star Packing Company
General Pond Monitoring
2012

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

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

Cooling Pond Monitoring

Date	pH	Freeboard (ft)	DO mg/l	EC umhos/cm	TDS[1] mg/l	Levee Condition	Water Color	Odors
10/1/2012	7.22	2.58	1.2	600	413	Good	Blue/Green	None
10/8/2012	7.47	2.67	1.1	592	407	Good	Blue/Green	None
10/15/2012	7.30	2.75	1.4	680	468	Good	Grey/Green	None
10/22/2012	7.20	2.83	4.2	620	427	Good	Grey/Green	None
10/29/2012	7.40	3.00	6.8	645	444	Good	Grey/Green	None
Average	**7.32**	**2.77**	**2.9**	**627**	**240**			

[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
10/1/2012	6.15	3.17	3.3	972	Good	Brown/Red	Minimal Tomato
10/8/2012	6.06	3.17	4.7	807	Good	Brown/Red	Minimal Tomato
Average	**6.11**	**3.17**	**4.0**	**889**			

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
10/1/2012	4.82	1,085	1,840	1150	9.0	1,457	0.0	0.0	34.8
10/8/2012	6.35	802	610	485	0.0	535	20.9	4.8	43.0
Average	**5.59**	**944**	**1,225**	**818**	**4.5**	**996**	**10.5**	**2.4**	**38.9**

MORNING STAR

"Excellence Through Commitment"

Field Log: CP/SP # 40 Technician: Sergio

Date: 10-1-12 Weather: Sunny 71°

COOLING POND

pH: 7.22 EC: 6001 µmhos/cm Temp: 31.3 °C ___ °F

Freeboard: 31 inches Time: 08:05 (0700-0900 hours)

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

Levee Condition: Good

Water Color: Blue / Green

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

Other Observations: Moss screen not running

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

SETTLING POND

pH: 6.16 EC: 972.1 µmhos/cm Temp: 32.5 °C ___ °F

Freeboard: 38 inches Time: 0830 (0700-0900 hours)

HQ10 Hach Portable LDO Dissolved Oxygen Meter (Probe) RESULT: 3.3

Levee Condition: Good

Water Color: Brown / red

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

Other Observations: Aerator running

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

MORNING STAR

"Excellence Through Commitment"

Field Log: CP/SP # 41 Technician: Sergio

Date: 10-8-12 Weather: Sunny 73°

COOLING POND

pH: 7.47 EC: 591.5 µmhos/cm Temp: 30.4 °C ____ °F

Freeboard: 32° inches Time: 0735 (0700-0900 hours)

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

Levee Condition: Good

Water Color: Blue / Green

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

Other Observations: Moss screen not running

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

SETTLING POND

pH: 6.06 EC: 806.6 µmhos/cm Temp: 23.4 °C ____ °F

Freeboard: 38 inches Time: 0802 (0700-0900 hours)

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

Levee Condition: Good

Water Color: Brown / Red

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

Other Observations: Aerator running

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

MORNING STAR

"Excellence Through Commitment"

Field Log: CP/SP # 42 Technician: Jon Ikerd

Date: 10-15-12 Weather: 70

COOLING POND

pH 7.3 EC: 680 umhos/cm Temp: 30 °C ___ °F

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

Sample for dissolved oxygen analysis: Taken with Hach Meter RESULT: 1.4

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 # 43 Jon Ikerd Technician:

Date: 10-22-12 Weather: 71

COOLING POND

pH 7.2 EC: 620 umhos/cm Temp: 26 °C ___ °F

Freeboard: 34 inches Time: 0710 (0700-0900 hours)

Sample for dissolved oxygen analysis: Taken with Hach Meter RESULT: 4.2

Levee Condition: Good

Water Color: Grey/Green

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

Other Observations: lots of well water added

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 # 414 Jon Ikerd Technician:

Date: 10-29-12 Weather: 69

COOLING POND

pH 7.4 EC: 645 umhos/cm Temp: 21 °C ___ °F

Freeboard: 36 inches Time: 0730 (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.

Nachtmann Analytical Laboratory, Inc.

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

Analytical Laboratory Report

State DHS Cert. # 1419

Client:

The Morning Star Packing Company.
2211 Old HWY 99
Williams, CA. 95987
Attn: Mike Olivera
12045 South Ingomar Grade Road
Los Banos, California 93635
Date Reporting: 10/7/2012

Sample ID # : Settling Pond
Sample Matrix : Effluent
Sampling Date : 10/1/2012
Date Received : 10/1/2012
Sampled By : client
Sample Lab. # :10012012

Analyte	Method #	RL(mg/l)	Sample Results(mg/l)
Settling Pond			
PH	SM 4500-H B	1-14	4.82
EC	SM 2510-B	1.0 umhos/cm	1085. umhos/cm
Total Dissolved Solid (TDS)*	SM 2540-D	5.0	1,840.
Fixed Dissolved Solid (FDS)	SM 2540-E	5.0	1150.
Settleable Solid (SS)	SM 2540-F	1.0ml/l/hr	9.0
(BOD) 5-day	SM 5210-B	0.2	1457.
Nitrate as Nitrogen(N-NO3)	SM 4500-NO3E	0.10	ND
Nitrate (NO3)	SM 4500-NO3E	0.4	ND
Total Kjeldahl Nitrogen (TKN)	SM 4500-N C	1.0	34.8

OCT 8 2012

Cooling Pond

none

* This sample contains large amounts of organic material

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

Nachtmann Analytical Laboratory, Inc.

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

CHAIN OF CUSTODY REPORT

CLIENT: Morning Star Packing Co.
ADDRESS: 2211 old Hwy 99. Williams CA 95987
PHONE: 530 473 3600
PROJECT NAME/SITE: Morning star
SAMPLER: Sergio Cervantes
DATE: 10/1/12

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

SAMPLE ID#, STATION	SAMPLE DESCRIPTION	NUMBER OF CONT.	TYPE CONT.	SAMPLING TIME/DATE	ANALYSIS REQUESTED	REMARKS	SAMPLE NUMBER
SP 1	Settling Pond 1	1	BTL	0815/10/1/12			
SP 2	Settling Pond 2	1	BTL	0820/10/1/12			

RELINQUISHED BY: Sergio Cervantes — DATE: 10/1/12 — TIME:
RELINQUISHED BY: — DATE: — TIME:
RELINQUISHED BY: — DATE: — TIME:

RECEIVED BY: Qm, 10/1/12
RECEIVED BY:
RECEIVED IN LAB BY:

TRAVEL TIME:
ON SITE TIME:
OTHER:

	YES	NO
WERE SAMPLES: PRESERVED?		
IN GOOD CONDITION?		

Nachtmann Analytical Laboratory, Inc.

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

Analytical Laboratory Report

State DHS Cert. # 1419

Client:

The Morning Star Packing Company.
2211 Old HWY 99
Williams, CA. 95987
Attn: Mike Olivera
12045 South Ingomar Grade Road
Los Banos, California 93635
Date Reporting: 10/14/2012

Sample ID # : Settling Pond
Sample Matrix : Effluent
Sampling Date : 10/8/2012
Date Received : 10/8/2012
Sampled By : client
Sample Lab. # :10082012

Analyte	Method #	RL(mg/l)	Sample Results(mg/l)
Settling Pond			
PH	SM 4500-H B	1-14	6.35
EC	SM 2510-B	1.0 umhos/cm	802. umhos/cm
Total Dissolved Solid (TDS)*	SM 2540-D	5.0	610.
Fixed Dissolved Solid (FDS)	SM 2540-E	5.0	485.
Settleable Solid (SS)	SM 2540-F	1.0ml/l/hr	< 1.0
(BOD) 5-day	SM 5210-B	0.2	535
Nitrate as Nitrogen(N-NO3)	SM 4500-NO3E	0.10	20.9
Nitrate (NO3)	SM 4500-NO3E	0.4	4.75
Total Kjeldahl Nitrogen (TKN)	SM 4500-N C	1.0	43.0
Cooling Pond			
none			

OCT 15 2012

* This sample contains large amounts of organic material

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

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

CHAIN OF CUSTODY REPORT

CLIENT: Morning Star Packing Company
ADDRESS: 9211 old Hwy 99W
Williams CA 95987
PHONE: 530 473 3600
PROJECT NAME/SITE: Morning Star
SAMPLER: Sergio Cervantes
DATE: 10/8/12

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

SAMPLE ID# STATION	SAMPLE DESCRIPTION	NUMBER OF CONT.	TYPE CONT.	SAMPLING TIME/DATE	ANALYSIS REQUESTED: NitrP	REMARKS	SAMPLE NUMBER
SP1	Settling pond 1	1	BTL	0930/10/8/12	✓		
SP2	Settling pond 2	1	BTL	0930/10/8/12	✓		

RELINQUISHED BY: Sergio Cervantes — DATE: 10/8/12 TIME: 1200
RECEIVED BY: QK 10/8/12
RELINQUISHED BY: — DATE: — TIME: — RECEIVED BY: —
RELINQUISHED BY: — DATE: — TIME: — RECEIVED IN LAB BY: —

TRAVEL TIME:
ON SITE TIME:
OTHER:

	YES	NO
WERE SAMPLES: PRESERVED?		
IN GOOD CONDITION?		

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

DATE	TIMES	Flow through Irrigation Ditch		Discharge from Cooling Pond		Discharge from Settling Pond/Gutters [1]		Discharge from GCID Canal
		WATER FLOW		WATER FLOW		WATER FLOW		WATER FLOW
		GPM	GPD	GPM	GPD	GPM	GPD	GPD
10/1/2012	15min. Intervals	1,073	1,544,962	0	0	1,598	2,301,065	
10/2/2012	15min. Intervals	1,073	1,544,495	0	0	1,602	2,307,260	
10/3/2012	15min. Intervals	1,040	1,497,972	0	0	1,589	2,287,871	
10/4/2012	15min. Intervals	1,004	1,446,080	0	0	1,542	2,219,951	
10/5/2012	15min. Intervals	1,155	1,662,855	0	0	1,698	2,445,116	
10/6/2012	15min. Intervals	1,205	1,735,601	0	0	1,659	2,389,413	
10/7/2012	15min. Intervals	1,197	1,723,257	0	0	1,641	2,363,667	
10/8/2012	15min. Intervals	1,229	1,769,058	0	0	1,785	2,570,733	
10/9/2012	15min. Intervals	1,215	1,749,048	0	0	1,669	2,403,685	
10/10/2012	15min. Intervals	1,236	1,780,537	0	0	1,645	2,368,534	
10/11/2012	15min. Intervals	895	1,288,392	0	0	1,354	1,950,404	
10/12/2012	15min. Intervals	142	204,347	0	0	726	1,045,764	
10/13/2012	15min. Intervals	0	0	0	0	0	0	
10/14/2012	15min. Intervals	0	0	0	0	0	0	
10/15/2012	15min. Intervals	0	0	0	0	0	0	
10/16/2012	15min. Intervals	0	0	0	0	0	0	
10/17/2012	15min. Intervals	0	0	0	0	0	0	
10/18/2012	15min. Intervals	0	0	0	0	0	0	
10/19/2012	15min. Intervals	0	0	0	0	0	0	
10/20/2012	15min. Intervals	0	0	0	0	0	0	
10/21/2012	15min. Intervals	0	0	0	0	0	0	
10/22/2012	15min. Intervals	0	0	0	0	0	0	
10/23/2012	15min. Intervals	0	0	0	0	0	0	
10/24/2012	15min. Intervals	0	0	0	0	0	0	
10/25/2012	15min. Intervals	0	0	0	0	0	0	
10/26/2012	15min. Intervals	0	0	0	0	0	0	
10/27/2012	15min. Intervals	0	0	0	0	0	0	
10/28/2012	15min. Intervals	0	0	0	0	0	0	
10/29/2012	15min. Intervals	0	0	0	0	0	0	
10/30/2012	15min. Intervals	0	0	0	0	0	0	
Average		415	598,220	0	0	617	888,449	
Minimum		0	0	0	0	0	0	
Maximum		1,236	1,780,537	0	0	1,785	2,570,733	

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

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

LAND APPLICATION AREA:

M.S. 1 — 95.0 acres

Day	Settling Pond Effluent Applied (gal)	Settling Pond Effluent Applied (in)	BOD Ave. Applied (mg/l)	TDS Ave. Applied (mg/l)	Nitrogen Ave. Applied (mg/l)	Cooling Pond Effluent Applied (gal)	Cooling Pond Effluent Applied (in)	TDS Ave. Applied (mg/l)	Fresh Irrigation (gal)	Fresh Irrigation (in)	Rainfall (in)
1	0	0.00	1,002	1,643	63	0	0.00	423	0	0.00	0.00
2	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
3	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
4	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
5	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
6	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
7	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
8	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
9	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
10	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
11	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
12	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
13	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
14	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
15	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
16	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
17	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
18	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
19	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
20	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
21	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
22	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
23	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
24	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
25	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
26	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
27	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
28	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
29	0	0.00	979	1,443	57.1	0	0.00	446	0	0.00	0.00
30	0	0.00	979	1,443	57.1	0	0.00	446	0	0.00	0.00
31	0	0.00	979	1,443	57.1	0	0.00	446	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!		

Day	Hydraulic Loading (in)	BOD Loading Total Weight (lbs/day)	BOD Loading Loading Applied (lbs/ac/day)	Nitrogen Loading Total (lbs/day)	Nitrogen Loading Applied (lbs/ac/month)	TDS Loading Total (lbs/day)	TDS Loading Applied (lbs/ac/month)
1	0.00	0	0	0	0	0	0
2	0.00	0	0	0	0	0	0
3	0.00	0	0	0	0	0	0
4	0.00	0	0	0	0	0	0
5	0.00	0	0	0	0	0	0
6	0.00	0	0	0	0	0	0
7	0.00	0	0	0	0	0	0
8	0.00	0	0	0	0	0	0
9	0.00	0	0	0	0	0	0
10	0.00	0	0	0	0	0	0
11	0.00	0	0	0	0	0	0
12	0.00	0	0	0	0	0	0
13	0.00	0	0	0	0	0	0
14	0.00	0	0	0	0	0	0
15	0.00	0	0	0	0	0	0
16	0.00	0	0	0	0	0	0
17	0.00	0	0	0	0	0	0
18	0.00	0	0	0	0	0	0
19	0.00	0	0	0	0	0	0
20	0.00	0	0	0	0	0	0
21	0.00	0	0	0	0	0	0
22	0.00	0	0	0	0	0	0
23	0.00	0	0	0	0	0	0
24	0.00	0	0	0	0	0	0
25	0.00	0	0	0	0	0	0
26	0.00	0	0	0	0	0	0
27	0.00	0	0	0	0	0	0
28	0.00	0	0	0	0	0	0
29	0.00	0	0	0	0	0	0
30	0.00	0	0	0	0	0	0
31	0.00	0	0	0	0	0	0
	0.00	0	0 Ave.	0	0 Total	0	0 Total

Cumulative Loading Calculations

	Nitrogen	TDS
Commercial Applications		
July-12	13 lbs/acre	163 lbs/acre
August-12	109 lbs/acre	1,475 lbs/acre
September-12	49 lbs/acre	691 lbs/acre
October-12	0 lbs/acre	0 lbs/acre
Total	**171 lbs/acre**	**2,329 lbs/acre**

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

LAND APPLICATION AREA: M.S. 2 & 3 — 82.1 acres

Day	Settling Pond Effluent Applied (gal)	Settling Pond Effluent Applied (in)	BOD Ave. Applied (mg/l)	TDS Ave. Applied (mg/l)	Nitrogen Ave. Applied (mg/l)	Cooling Pond Effluent Applied (gal)	Cooling Pond Effluent Applied (in)	TDS Ave. Applied (mg/l)	Fresh Irrigation (gal)	Fresh Irrigation (in)	Rainfall (in)
1	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
2	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
3	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
4	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
5	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
6	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
7	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
8	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
9	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
10	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
11	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
12	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
13	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
14	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
15	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
16	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
17	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
18	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
19	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
20	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
21	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
22	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
23	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
24	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
25	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
26	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
27	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
28	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
29	0	0.00	979	1,443	57.1	0	0.00	446	0	0.00	0.00
30	0	0.00	979	1,443	57.1	0	0.00	446	0	0.00	0.00
31	0	0.00	979	1,443	57.1	0	0.00	446	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 Ave.	0	0 Total	0	0 Total

Cumulative Loading Calculations

	Nitrogen	TDS
Commercial Applications		
July-12	49 lbs/acre	611 lbs/acre
August-12	31 lbs/acre	393 lbs/acre
September-12	174 lbs/acre	1,709 lbs/acre
October-12	0 lbs/acre	0 lbs/acre
Total	**254 lbs/acre**	**2,713 lbs/acre**

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

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

Day	Settling Pond Effluent Applied (gal)	Settling Pond Effluent Applied (in)	BOD Ave. Applied (mg/l)	TDS Ave. Applied (mg/l)	Nitrogen Ave. Applied (mg/l)	Cooling Pond Effluent Applied (gal)	Cooling Pond Effluent Applied (in)	TDS Ave. Applied (mg/l)	Fresh Irrigation (gal)	Fresh Irrigation (in)	Rainfall (in)
1	207,425	0.31	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
2	207,983	0.31	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
3	223,784	0.34	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
4	217,140	0.33	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
5	239,164	0.36	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
6	233,716	0.35	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
7	231,198	0.35	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
8	251,451	0.38	979	1,443	57.1	0	0.00	416	0	0.00	0.00
9	208,353	0.31	979	1,443	57.1	0	0.00	416	0	0.00	0.00
10	243,485	0.36	979	1,443	57.1	0	0.00	416	0	0.00	0.00
11	200,501	0.30	979	1,443	57.1	0	0.00	416	0	0.00	0.00
12	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
13	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
14	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
15	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
16	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
17	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
18	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
19	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
20	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
21	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
22	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
23	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
24	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
25	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
26	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
27	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
28	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
29	0	0.00	979	1,443	57.1	0	0.00	446	0	0.00	0.00
30	0	0.00	979	1,443	57.1	0	0.00	446	0	0.00	0.00
31	0	0.00	979	1,443	57.1	0	0.00	446	0	0.00	0.00
	2,464,201	**3.70**				**0**	**0.00**		**0**	**0.00**	**0.00**
	7.6 ac-ft					**0.0** ac-ft			**0.0** ac-ft		**0.0**
Percent of Total =	**100%**					**0%**			**0%**		

Hydraulic Loading (in)	BOD Loading Total Weight (lbs/day)	BOD Loading Loading Applied (lbs/ac/day)	Nitrogen Loading Total (lbs/day)	Nitrogen Loading Applied (lbs/ac/month)	TDS Loading Total (lbs/day)	TDS Loading Applied (lbs/ac/month)
0.31	1,734	**70**	109	4	2,844	**116**
0.31	1,739	**71**	110	4	2,851	**116**
0.34	1,871	**76**	118	**5**	3,068	**125**
0.33	1,816	**74**	115	**5**	2,977	**121**
0.36	2,000	**81**	126	**5**	3,279	**133**
0.35	1,954	**79**	123	**5**	3,204	**130**
0.35	1,933	**79**	122	**5**	3,170	**129**
0.38	2,054	**83**	120	**5**	3,028	**123**
0.31	1,702	**69**	99	4	2,509	**102**
0.36	1,989	**81**	116	**5**	2,932	**119**
0.30	1,638	**67**	96	4	2,414	**98**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
3.70	**20,430**	**28 Ave.**	**1,254**	**51 Total**	**32,276**	**1312 Total**

Cumulative Loading Calculations

	Nitrogen	TDS
Commercial Applications		
July-12	26 lbs/acre	325 lbs/acre
August-12	83 lbs/acre	1,138 lbs/acre
September-12	34 lbs/acre	642 lbs/acre
October-12	51 lbs/acre	1,312 lbs/acre
Total	**194 lbs/acre**	**3,417 lbs/acre**

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

LAND APPLICATION AREA:

	M.S. 6	21.4	acres															
Day	Settling Pond Effluent Applied (gal)	Settling Pond Effluent Applied (in)	BOD Ave. Applied (mg/l)	TDS Ave. Applied (mg/l)	Nitrogen Ave. Applied (mg/l)	Cooling Pond Effluent Applied (gal)	Cooling Pond Effluent Applied (in)	TDS Ave. Applied (mg/l)	Fresh Irrigation (gal)	Fresh Irrigation (in)	Rainfall (in)	Hydraulic Loading (in)	BOD Loading Total Weight (lbs/day)	BOD Loading Loading Applied (lbs/ac/day)	Nitrogen Loading Total (lbs/day)	Nitrogen Loading Applied (lbs/ac/month)	TDS Loading Total (lbs/day)	TDS Loading Applied (lbs/ac/month)
1	180,443	0.31	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00	0.31	1,509	71	95	4	2,474	116
2	180,928	0.31	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00	0.31	1,513	71	95	4	2,481	116
3	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00	0.00	0	0	0	0	0	0
4	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00	0.00	0	0	0	0	0	0
5	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00	0.00	0	0	0	0	0	0
6	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00	0.00	0	0	0	0	0	0
7	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00	0.00	0	0	0	0	0	0
8	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00	0.00	0	0	0	0	0	0
9	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00	0.00	0	0	0	0	0	0
10	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00	0.00	0	0	0	0	0	0
11	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00	0.00	0	0	0	0	0	0
12	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00	0.00	0	0	0	0	0	0
13	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00	0.00	0	0	0	0	0	0
14	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00	0.00	0	0	0	0	0	0
15	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00	0.00	0	0	0	0	0	0
16	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00	0.00	0	0	0	0	0	0
17	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00	0.00	0	0	0	0	0	0
18	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00	0.00	0	0	0	0	0	0
19	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00	0.00	0	0	0	0	0	0
20	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00	0.00	0	0	0	0	0	0
21	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00	0.00	0	0	0	0	0	0
22	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00	0.00	0	0	0	0	0	0
23	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00	0.00	0	0	0	0	0	0
24	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00	0.00	0	0	0	0	0	0
25	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00	0.00	0	0	0	0	0	0
26	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00	0.00	0	0	0	0	0	0
27	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00	0.00	0	0	0	0	0	0
28	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00	0.00	0	0	0	0	0	0
29	0	0.00	979	1,443	57.1	0	0.00	446	0	0.00	0.00	0.00	0	0	0	0	0	0
30	0	0.00	979	1,443	57.1	0	0.00	446	0	0.00	0.00	0.00	0	0	0	0	0	0
31	0	0.00	979	1,443	57.1	0	0.00	446	0	0.00	0.00	0.00	0	0	0	0	0	0
	361,371	0.62				0	0.00		0	0.00	0.00	0.62	3,022	5 Ave.	190	9 Total	4,955	232 Total
	1.1	ac-ft				0.0	ac-ft		0.0	ac-ft	0.0							
Percent of Total =	100%					0%			0%									

Cumulative Loading Calculations	Nitrogen	TDS
Commercial Applications		
July-12	0 lbs/acre	0 lbs/acre
August-12	46 lbs/acre	489 lbs/acre
September-12	17 lbs/acre	349 lbs/acre
October-12	9 lbs/acre	232 lbs/acre
Total	**72 lbs/acre**	**1,070 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	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
2	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
3	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
4	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
5	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
6	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
7	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
8	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
9	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
10	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
11	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
12	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
13	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
14	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
15	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
16	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
17	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
18	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
19	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
20	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
21	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
22	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
23	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
24	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
25	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
26	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
27	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
28	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
29	0	0.00	979	1,443	57.1	0	0.00	446	0	0.00	0.00
30	0	0.00	979	1,443	57.1	0	0.00	446	0	0.00	0.00
31	0	0.00	979	1,443	57.1	0	0.00	446	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
0.00	0	0 Ave.	0	0 Total	0	0 Total

Cumulative Loading Calculations

	Nitrogen	TDS
Commercial Applications		
July-12	0 lbs/acre	0 lbs/acre
August-12	21 lbs/acre	292 lbs/acre
September-12	21 lbs/acre	362 lbs/acre
October-12	0 lbs/acre	0 lbs/acre
Total	**42 lbs/acre**	**654 lbs/acre**

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

LAND APPLICATION AREA:

	M.S. 14	44.5	acres									
Day	Settling Pond Effluent Applied (gal)	Settling Pond Effluent Applied (in)	BOD Ave. Applied (mg/l)	TDS Ave. Applied (mg/l)	Nitrogen Ave. Applied (mg/l)	Cooling Pond Effluent Applied (gal)	Cooling Pond Effluent Applied (in)	TDS Ave. Applied (mg/l)	Fresh Irrigation (gal)	Fresh Irrigation (in)	Rainfall (in)
1	375,220	0.31	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
2	376,230	0.31	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
3	404,812	0.34	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
4	392,794	0.33	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
5	432,635	0.36	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
6	422,779	0.35	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
7	418,223	0.35	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
8	454,861	0.38	979	1,443	57.1	0	0.00	416	0	0.00	0.00
9	376,899	0.31	979	1,443	57.1	0	0.00	416	0	0.00	0.00
10	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
11	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
12	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
13	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
14	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
15	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
16	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
17	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
18	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
19	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
20	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
21	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
22	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
23	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
24	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
25	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
26	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
27	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
28	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
29	0	0.00	979	1,443	57.1	0	0.00	446	0	0.00	0.00
30	0	0.00	979	1,443	57.1	0	0.00	446	0	0.00	0.00
31	0	0.00	979	1,443	57.1	0	0.00	446	0	0.00	0.00
	3,654,453	3.04				0	0.00		0	0.00	0.00
	11.2	ac-ft				0.0	ac-ft		0.0	ac-ft	0.0
Percent of Total =	100%					0%			0%		

Hydraulic Loading (in)	BOD Loading Total Weight (lbs/day)	BOD Loading Loading Applied (lbs/ac/day)	Nitrogen Loading Total (lbs/day)	Nitrogen Loading Applied (lbs/ac/month)	TDS Loading Total (lbs/day)	TDS Loading Applied (lbs/ac/month)
0.31	3,137	70	198	4	5,144	116
0.31	3,146	71	198	4	5,158	116
0.34	3,385	76	213	5	5,550	125
0.33	3,284	74	207	5	5,385	121
0.36	3,617	81	228	5	5,931	133
0.35	3,535	79	223	5	5,796	130
0.35	3,497	79	221	5	5,734	129
0.38	3,716	84	217	5	5,477	123
0.31	3,079	69	180	4	4,538	102
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
3.04	30,396	23 Ave.	1,885	42 Total	48,713	1095 Total

Cumulative Loading Calculations

	Nitrogen	TDS
Commercial Applications		
July-12	0 lbs/acre	0 lbs/acre
August-12	27 lbs/acre	226 lbs/acre
September-12	57 lbs/acre	447 lbs/acre
October-12	42 lbs/acre	1,095 lbs/acre
Total	**126 lbs/acre**	**1,768 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)	Hydraulic Loading (in)	BOD Loading Total Weight (lbs/day)	BOD Loading Applied (lbs/ac/day)	Nitrogen Loading Total (lbs/day)	Nitrogen Loading Applied (lbs/ac/month)	TDS Loading Total (lbs/day)	TDS Loading Applied (lbs/ac/month)
1	225,132	0.31	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00	0.31	1,882	70	119	4	3,087	116
2	225,738	0.31	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00	0.31	1,887	71	119	4	3,095	116
3	242,887	0.34	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00	0.34	2,031	76	128	5	3,330	125
4	235,677	0.33	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00	0.33	1,971	74	124	5	3,231	121
5	259,581	0.36	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00	0.36	2,170	81	137	5	3,559	133
6	253,667	0.35	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00	0.35	2,121	79	134	5	3,478	130
7	250,934	0.35	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00	0.35	2,098	79	132	5	3,440	129
8	272,917	0.38	979	1,443	57.1	0	0.00	416	0	0.00	0.00	0.38	2,230	84	130	5	3,286	123
9	226,139	0.31	979	1,443	57.1	0	0.00	416	0	0.00	0.00	0.31	1,847	69	108	4	2,723	102
10	264,270	0.36	979	1,443	57.1	0	0.00	416	0	0.00	0.00	0.36	2,159	81	126	5	3,182	119
11	217,617	0.30	979	1,443	57.1	0	0.00	416	0	0.00	0.00	0.30	1,778	67	104	4	2,620	98
12	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00	0.00	0	0	0	0	0	0
13	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00	0.00	0	0	0	0	0	0
14	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00	0.00	0	0	0	0	0	0
15	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00	0.00	0	0	0	0	0	0
16	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00	0.00	0	0	0	0	0	0
17	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00	0.00	0	0	0	0	0	0
18	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00	0.00	0	0	0	0	0	0
19	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00	0.00	0	0	0	0	0	0
20	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00	0.00	0	0	0	0	0	0
21	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00	0.00	0	0	0	0	0	0
22	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00	0.00	0	0	0	0	0	0
23	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00	0.00	0	0	0	0	0	0
24	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00	0.00	0	0	0	0	0	0
25	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00	0.00	0	0	0	0	0	0
26	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00	0.00	0	0	0	0	0	0
27	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00	0.00	0	0	0	0	0	0
28	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00	0.00	0	0	0	0	0	0
29	0	0.00	979	1,443	57.1	0	0.00	446	0	0.00	0.00	0.00	0	0	0	0	0	0
30	0	0.00	979	1,443	57.1	0	0.00	446	0	0.00	0.00	0.00	0	0	0	0	0	0
31	0	0.00	979	1,443	57.1	0	0.00	446	0	0.00	0.00	0.00	0	0	0	0	0	0
	2,674,559	3.70				0	0.00		0	0.00	0.00	3.70	22,174	27 Ave.	1,361	51 Total	35,031	1312 Total
	8.2	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-12	26 lbs/acre	325 lbs/acre
August-12	83 lbs/acre	1,138 lbs/acre
September-12	34 lbs/acre	642 lbs/acre
October-12	51 lbs/acre	1,312 lbs/acre
Total	**194 lbs/acre**	**3,417 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	309,451	0.31	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
2	310,284	0.31	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
3	333,856	0.34	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
4	323,945	0.33	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
5	356,802	0.36	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
6	348,674	0.35	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
7	344,917	0.35	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
8	375,133	0.38	979	1,443	57.1	0	0.00	416	0	0.00	0.00
9	310,836	0.31	979	1,443	57.1	0	0.00	416	0	0.00	0.00
10	363,248	0.36	979	1,443	57.1	0	0.00	416	0	0.00	0.00
11	299,122	0.30	979	1,443	57.1	0	0.00	416	0	0.00	0.00
12	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
13	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
14	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
15	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
16	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
17	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
18	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
19	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
20	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
21	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
22	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
23	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
24	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
25	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
26	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
27	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
28	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
29	0	0.00	979	1,443	57.1	0	0.00	446	0	0.00	0.00
30	0	0.00	979	1,443	57.1	0	0.00	446	0	0.00	0.00
31	0	0.00	979	1,443	57.1	0	0.00	446	0	0.00	0.00
	3,676,267	3.70				0	0.00		0	0.00	0.00
	11.3	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)
0.31	2,587	**70**	163	4	4,243	**116**
0.31	2,594	**71**	164	4	4,254	**116**
0.34	2,791	**76**	176	5	4,577	**125**
0.33	2,709	**74**	171	5	4,441	**121**
0.36	2,983	**81**	188	5	4,892	**133**
0.35	2,915	**79**	184	5	4,780	**130**
0.35	2,884	**79**	182	5	4,729	**129**
0.38	3,065	**84**	179	5	4,517	**123**
0.31	2,539	**69**	148	4	3,743	**102**
0.36	2,967	**81**	173	5	4,374	**119**
0.30	2,444	**67**	143	4	3,602	**98**
0.00	0	**0**	0	0	0	**0**
0.00	0	**0**	0	0	0	**0**
0.00	0	**0**	0	0	0	**0**
0.00	0	**0**	0	0	0	**0**
0.00	0	**0**	0	0	0	**0**
0.00	0	**0**	0	0	0	**0**
0.00	0	**0**	0	0	0	**0**
0.00	0	**0**	0	0	0	**0**
0.00	0	**0**	0	0	0	**0**
0.00	0	**0**	0	0	0	**0**
0.00	0	**0**	0	0	0	**0**
0.00	0	**0**	0	0	0	**0**
0.00	0	**0**	0	0	0	**0**
0.00	0	**0**	0	0	0	**0**
0.00	0	**0**	0	0	0	**0**
0.00	0	**0**	0	0	0	**0**
0.00	0	**0**	0	0	0	**0**
0.00	0	**0**	0	0	0	**0**
0.00	0	**0**	0	0	0	**0**
0.00	0	**0**	0	0	0	**0**
0.00	0	**0**	0	0	0	**0**
0.00	0	**0**	0	0	0	**0**
0.00	0	**0**	0	0	0	**0**
0.00	0	**0**	0	0	0	**0**
3.70	**30,478**	**28 Ave.**	**1,871**	**51 Total**	**48,152**	**1312 Total**

Cumulative Loading Calculations	**Nitrogen**	**TDS**
Commercial Applications		
July-12	0 lbs/acre	0 lbs/acre
August-12	83 lbs/acre	1,138 lbs/acre
September-12	34 lbs/acre	642 lbs/acre
October-12	51 lbs/acre	1,312 lbs/acre
Total	**168 lbs/acre**	**3,092 lbs/acre**

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

LAND APPLICATION AREA:

M.S. 18 Ch1 — 39.1 acres

Day	Settling Pond Effluent Applied (gal)	Settling Pond Effluent Applied (in)	BOD Ave. Applied (mg/l)	TDS Ave. Applied (mg/l)	Nitrogen Ave. Applied (mg/l)	Cooling Pond Effluent Applied (gal)	Cooling Pond Effluent Applied (in)	TDS Ave. Applied (mg/l)	Fresh Irrigation (gal)	Fresh Irrigation (in)	Rainfall (in)
1	329,687	0.31	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
2	330,575	0.31	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
3	355,689	0.34	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
4	345,129	0.33	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
5	380,135	0.36	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
6	371,475	0.35	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
7	367,473	0.35	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
8	399,665	0.38	979	1,443	57.1	0	0.00	416	0	0.00	0.00
9	331,163	0.31	979	1,443	57.1	0	0.00	416	0	0.00	0.00
10	387,002	0.36	979	1,443	57.1	0	0.00	416	0	0.00	0.00
11	318,683	0.30	979	1,443	57.1	0	0.00	416	0	0.00	0.00
12	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
13	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
14	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
15	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
16	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
17	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
18	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
19	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
20	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
21	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
22	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
23	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
24	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
25	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
26	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
27	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
28	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
29	0	0.00	979	1,443	57.1	0	0.00	446	0	0.00	0.00
30	0	0.00	979	1,443	57.1	0	0.00	446	0	0.00	0.00
31	0	0.00	979	1,443	57.1	0	0.00	446	0	0.00	0.00
	3,916,677	3.70				0	0.00		0	0.00	0.00
	12.0	ac-ft				0.0	ac-ft		0.0	ac-ft	0.0
Percent of Total =	100%					0%			0%		

Day	Hydraulic Loading (in)	BOD Loading Total Weight (lbs/day)	BOD Loading Loading Applied (lbs/ac/day)	Nitrogen Loading Total (lbs/day)	Nitrogen Loading Applied (lbs/ac/month)	TDS Loading Total (lbs/day)	TDS Loading Applied (lbs/ac/month)
1	0.31	2,757	71	174	4	4,520	116
2	0.31	2,764	71	174	4	4,532	116
3	0.34	2,974	76	188	5	4,876	125
4	0.33	2,886	74	182	5	4,732	121
5	0.36	3,178	81	200	5	5,212	133
6	0.35	3,106	79	196	5	5,093	130
7	0.35	3,072	79	194	5	5,038	129
8	0.38	3,265	84	190	5	4,812	123
9	0.31	2,705	69	158	4	3,988	102
10	0.36	3,161	81	184	5	4,660	119
11	0.30	2,603	67	152	4	3,837	98
12	0.00	0	0	0	0	0	0
13	0.00	0	0	0	0	0	0
14	0.00	0	0	0	0	0	0
15	0.00	0	0	0	0	0	0
16	0.00	0	0	0	0	0	0
17	0.00	0	0	0	0	0	0
18	0.00	0	0	0	0	0	0
19	0.00	0	0	0	0	0	0
20	0.00	0	0	0	0	0	0
21	0.00	0	0	0	0	0	0
22	0.00	0	0	0	0	0	0
23	0.00	0	0	0	0	0	0
24	0.00	0	0	0	0	0	0
25	0.00	0	0	0	0	0	0
26	0.00	0	0	0	0	0	0
27	0.00	0	0	0	0	0	0
28	0.00	0	0	0	0	0	0
29	0.00	0	0	0	0	0	0
30	0.00	0	0	0	0	0	0
31	0.00	0	0	0	0	0	0
	3.70	32,471	27 Ave.	1,992	51 Total	51,300	1312 Total

Cumulative Loading Calculations

	Nitrogen	TDS
Commercial Applications		
July-12	49 lbs/acre	611 lbs/acre
August-12	12 lbs/acre	148 lbs/acre
September-12	105 lbs/acre	939 lbs/acre
October-12	51 lbs/acre	1,312 lbs/acre
Total	**217 lbs/acre**	**3,010 lbs/acre**

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

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

Day	Settling Pond Effluent Applied (gal)	Settling Pond Effluent Applied (in)	BOD Ave. Applied (mg/l)	TDS Ave. Applied (mg/l)	Nitrogen Ave. Applied (mg/l)	Cooling Pond Effluent Applied (gal)	Cooling Pond Effluent Applied (in)	TDS Ave. Applied (mg/l)	Fresh Irrigation (gal)	Fresh Irrigation (in)	Rainfall (in)	Hydraulic Loading (in)	BOD Loading Total Weight (lbs/day)	BOD Loading Loading Applied (lbs/ac/day)	Nitrogen Loading Total (lbs/day)	Nitrogen Loading Applied (lbs/ac/month)	TDS Loading Total (lbs/day)	TDS Loading Applied (lbs/ac/month)
1	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00	0.00	0	0	0	0	0	0
2	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00	0.00	0	0	0	0	0	0
3	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00	0.00	0	0	0	0	0	0
4	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00	0.00	0	0	0	0	0	0
5	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00	0.00	0	0	0	0	0	0
6	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00	0.00	0	0	0	0	0	0
7	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00	0.00	0	0	0	0	0	0
8	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00	0.00	0	0	0	0	0	0
9	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00	0.00	0	0	0	0	0	0
10	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00	0.00	0	0	0	0	0	0
11	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00	0.00	0	0	0	0	0	0
12	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00	0.00	0	0	0	0	0	0
13	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00	0.00	0	0	0	0	0	0
14	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00	0.00	0	0	0	0	0	0
15	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00	0.00	0	0	0	0	0	0
16	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00	0.00	0	0	0	0	0	0
17	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00	0.00	0	0	0	0	0	0
18	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00	0.00	0	0	0	0	0	0
19	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00	0.00	0	0	0	0	0	0
20	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00	0.00	0	0	0	0	0	0
21	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00	0.00	0	0	0	0	0	0
22	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00	0.00	0	0	0	0	0	0
23	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00	0.00	0	0	0	0	0	0
24	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00	0.00	0	0	0	0	0	0
25	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00	0.00	0	0	0	0	0	0
26	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00	0.00	0	0	0	0	0	0
27	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00	0.00	0	0	0	0	0	0
28	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00	0.00	0	0	0	0	0	0
29	0	0.00	979	1,443	57.1	0	0.00	446	0	0.00	0.00	0.00	0	0	0	0	0	0
30	0	0.00	979	1,443	57.1	0	0.00	446	0	0.00	0.00	0.00	0	0	0	0	0	0
31	0	0.00	979	1,443	57.1	0	0.00	446	0	0.00	0.00	0.00	0	0	0	0	0	0
	0	**0.00**				**0**	**0.00**		**0**	**0.00**	**0.00**	**0.00**	**0**	**0 Ave.**	**0**	**0 Total**	**0**	**0 Total**
	0.0 ac-ft					**0.0** ac-ft			**0.0** ac-ft		**0.0**							
Percent of Total =	**#DIV/0!**					**#DIV/0!**			**#DIV/0!**									

Cumulative Loading Calculations

	Nitrogen	TDS
Commercial Applications		
July-12	0 lbs/acre	0 lbs/acre
August-12	40 lbs/acre	535 lbs/acre
September-12	72 lbs/acre	1,031 lbs/acre
October-12	0 lbs/acre	0 lbs/acre
Total	**112 lbs/acre**	**1,566 lbs/acre**

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

LAND APPLICATION AREA:

	M.S. 20 Ch1	32.3	acres																	
Day	Settling Pond Effluent Applied (gal)	Settling Pond Effluent Applied (in)	BOD Ave. Applied (mg/l)	TDS Ave. Applied (mg/l)	Nitrogen Ave. Applied (mg/l)	Cooling Pond Effluent Applied (gal)	Cooling Pond Effluent Applied (in)	TDS Ave. Applied (mg/l)	Fresh Irrigation (gal)	Fresh Irrigation (in)	Rainfall (in)	Hydraulic Loading (in)	BOD Loading Total Weight (lbs/day)	BOD Loading Applied (lbs/ac/day)	Nitrogen Loading Total (lbs/day)	Nitrogen Loading Applied (lbs/ac/month)	TDS Loading Total (lbs/day)	TDS Loading Applied (lbs/ac/month)
1	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
2	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
3	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
4	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
5	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
6	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
7	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
8	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
9	273,569	0.31	979	1,443	57.1	0	0.00	416	0	0.00	0.00	0.31	2,235	**69**	130	**4**	3,294	**102**
10	319,698	0.36	979	1,443	57.1	0	0.00	416	0	0.00	0.00	0.36	2,612	**81**	152	**5**	3,849	**119**
11	263,260	0.30	979	1,443	57.1	0	0.00	416	0	0.00	0.00	0.30	2,151	**67**	125	**4**	3,170	**98**
12	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
13	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
14	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
15	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
16	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
17	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
18	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
19	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
20	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
21	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
22	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
23	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
24	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
25	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
26	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
27	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
28	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
29	0	0.00	979	1,443	57.1	0	0.00	446	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
30	0	0.00	979	1,443	57.1	0	0.00	446	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
31	0	0.00	979	1,443	57.1	0	0.00	446	0	0.00	0.00	0.00	0	**0**	0	**0**	0	**0**
	856,527	**0.97**				**0**	**0.00**		**0**	**0.00**	**0.00**	**0.97**	6,998	7 Ave.	407	13 Total	10,313	319 Total
	2.6 ac-ft					**0.0** ac-ft			**0.0** ac-ft		**0.0**							
Percent of Total =	**100%**					**0%**			**0%**									

Cumulative Loading Calculations

	Nitrogen	TDS
Commercial Applications		
July-12	0 lbs/acre	0 lbs/acre
August-12	73 lbs/acre	715 lbs/acre
September-12	137 lbs/acre	1,071 lbs/acre
October-12	13 lbs/acre	319 lbs/acre
Total	**223 lbs/acre**	**2,105 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	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
2	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
3	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
4	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
5	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
6	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
7	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
8	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
9	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
10	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
11	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
12	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
13	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
14	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
15	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
16	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
17	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
18	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
19	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
20	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
21	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
22	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
23	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
24	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
25	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
26	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
27	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
28	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
29	0	0.00	979	1,443	57.1	0	0.00	446	0	0.00	0.00
30	0	0.00	979	1,443	57.1	0	0.00	446	0	0.00	0.00
31	0	0.00	979	1,443	57.1	0	0.00	446	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 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
0.00	0	0 Ave.	0	0 Total	0	0 Total

Cumulative Loading Calculations

	Nitrogen	TDS
Commercial Applications		
July-12	0 lbs/acre	0 lbs/acre
August-12	0 lbs/acre	0 lbs/acre
September-12	41 lbs/acre	506 lbs/acre
October-12	0 lbs/acre	0 lbs/acre
Total	**41 lbs/acre**	**506 lbs/acre**

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

LAND APPLICATION AREA:

	M.S. 21	25.9	acres																
Day	Settling Pond Effluent Applied (gal)	Settling Pond Effluent Applied (in)	BOD Ave. Applied (mg/l)	TDS Ave. Applied (mg/l)	Nitrogen Ave. Applied (mg/l)	Cooling Pond Effluent Applied (gal)	Cooling Pond Effluent Applied (in)	TDS Ave. Applied (mg/l)	Fresh Irrigation (gal)	Fresh Irrigation (in)	Rainfall (in)	Hydraulic Loading (in)	BOD Loading Total Weight (lbs/day)	BOD Loading 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	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00	0.00	0	0	0	0	0	0
2	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00	0.00	0	0	0	0	0	0
3	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00	0.00	0	0	0	0	0	0
4	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00	0.00	0	0	0	0	0	0
5	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00	0.00	0	0	0	0	0	0
6	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00	0.00	0	0	0	0	0	0
7	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00	0.00	0	0	0	0	0	0
8	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00	0.00	0	0	0	0	0	0
9	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00	0.00	0	0	0	0	0	0
10	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00	0.00	0	0	0	0	0	0
11	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00	0.00	0	0	0	0	0	0
12	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00	0.00	0	0	0	0	0	0
13	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00	0.00	0	0	0	0	0	0
14	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00	0.00	0	0	0	0	0	0
15	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00	0.00	0	0	0	0	0	0
16	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00	0.00	0	0	0	0	0	0
17	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00	0.00	0	0	0	0	0	0
18	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00	0.00	0	0	0	0	0	0
19	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00	0.00	0	0	0	0	0	0
20	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00	0.00	0	0	0	0	0	0
21	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00	0.00	0	0	0	0	0	0
22	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00	0.00	0	0	0	0	0	0
23	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00	0.00	0	0	0	0	0	0
24	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00	0.00	0	0	0	0	0	0
25	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00	0.00	0	0	0	0	0	0
26	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00	0.00	0	0	0	0	0	0
27	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00	0.00	0	0	0	0	0	0
28	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00	0.00	0	0	0	0	0	0
29	0	0.00	979	1,443	57.1	0	0.00	446	0	0.00	0.00	0.00	0	0	0	0	0	0
30	0	0.00	979	1,443	57.1	0	0.00	446	0	0.00	0.00	0.00	0	0	0	0	0	0
31	0	0.00	979	1,443	57.1	0	0.00	446	0	0.00	0.00	0.00	0	0	0	0	0	0
	0	**0.00**				**0**	**0.00**		**0**	**0.00**	**0.00**	**0.00**	**0**	**0 Ave.**	**0**	**0 Total**	**0**	**0 Total**
	0.0 ac-ft					**0.0** ac-ft			**0.0** ac-ft		**0.0**							
Percent of Total =	**#DIV/0!**					**#DIV/0!**			**#DIV/0!**									

Cumulative Loading Calculations	**Nitrogen**	**TDS**
Commercial Applications		
July-12	0 lbs/acre	0 lbs/acre
August-12	14 lbs/acre	203 lbs/acre
September-12	25 lbs/acre	322 lbs/acre
October-12	0 lbs/acre	0 lbs/acre
Total	**39 lbs/acre**	**525 lbs/acre**

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

LAND APPLICATION AREA:

	M.S. 24 Ch1	79.9	acres									
Day	Settling Pond Effluent Applied (gal)	Settling Pond Effluent Applied (in)	BOD Ave. Applied (mg/l)	TDS Ave. Applied (mg/l)	Nitrogen Ave. Applied (mg/l)	Cooling Pond Effluent Applied (gal)	Cooling Pond Effluent Applied (in)	TDS Ave. Applied (mg/l)	Fresh Irrigation (gal)	Fresh Irrigation (in)	Rainfall (in)
1	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
2	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
3	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
4	705,265	0.33	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
5	776,798	0.36	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
6	759,102	0.35	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
7	750,922	0.35	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
8	816,706	0.38	979	1,443	57.1	0	0.00	416	0	0.00	0.00
9	676,724	0.31	979	1,443	57.1	0	0.00	416	0	0.00	0.00
10	790,831	0.36	979	1,443	57.1	0	0.00	416	0	0.00	0.00
11	651,221	0.30	979	1,443	57.1	0	0.00	416	0	0.00	0.00
12	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
13	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
14	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
15	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
16	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
17	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
18	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
19	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
20	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
21	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
22	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
23	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
24	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
25	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
26	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
27	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
28	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
29	0	0.00	979	1,443	57.1	0	0.00	446	0	0.00	0.00
30	0	0.00	979	1,443	57.1	0	0.00	446	0	0.00	0.00
31	#REF!	#REF!	979	1,443	57.1	0	0.00	446	0	0.00	0.00
	5,927,570	2.74				0	0.00		0	0.00	0.00
	18.2	ac-ft				0.0	ac-ft		0.0	ac-ft	0.0
Percent of Total =	100%					0%			0%		

Hydraulic Loading (in)	BOD Loading Total Weight (lbs/day)	BOD Loading 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**
0.33	5,897	**74**	372	**5**	9,669	**121**
0.36	6,495	**81**	410	**5**	10,650	**133**
0.35	6,347	**79**	400	**5**	10,407	**130**
0.35	6,279	**79**	396	**5**	10,295	**129**
0.38	6,672	**84**	389	**5**	9,834	**123**
0.31	5,528	**69**	322	**4**	8,148	**102**
0.36	6,460	**81**	377	**5**	9,522	**119**
0.30	5,320	**67**	310	**4**	7,841	**98**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
0.00	0	**0**	0	**0**	0	**0**
#REF!	#REF!	**#REF!**	#REF!	**#REF!**	#REF!	**#REF!**
2.74	48,998	**20 Ave.**	2,976	**37 Total**	76,366	**956 Total**

Cumulative Loading Calculations	**Nitrogen**	**TDS**
Commercial Applications		
July-12	0 lbs/acre	0 lbs/acre
August-12	95 lbs/acre	1,268 lbs/acre
September-12	49 lbs/acre	591 lbs/acre
October-12	37 lbs/acre	956 lbs/acre
Total	**181 lbs/acre**	**2,815 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	673,709	0.31	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
2	675,523	0.31	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
3	726,842	0.34	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
4	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
5	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
6	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
7	0	0.00	1,002	1,643	63.2	0	0.00	423	0	0.00	0.00
8	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
9	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
10	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
11	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
12	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
13	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
14	0	0.00	979	1,443	57.1	0	0.00	416	0	0.00	0.00
15	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
16	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
17	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
18	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
19	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
20	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
21	0	0.00	979	1,443	57.1	0	0.00	429	0	0.00	0.00
22	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
23	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
24	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
25	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
26	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
27	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
28	0	0.00	979	1,443	57.1	0	0.00	434	0	0.00	0.00
29	0	0.00	979	1,443	57.1	0	0.00	446	0	0.00	0.00
30	0	0.00	979	1,443	57.1	0	0.00	446	0	0.00	0.00
31	#REF!	#REF!	979	1,443	57.1	0	0.00	446	0	0.00	0.00
	2,076,074	0.96				0	0.00		0	0.00	0.00
	6.4 ac-ft					0.0 ac-ft			0.0 ac-ft		0.0
Percent of Total =	100%					0%			0%		

Hydraulic Loading (in)	BOD Loading Total Weight (lbs/day)	BOD Loading 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)
0.31	5,633	71	355	4	9,236	116
0.31	5,648	71	356	4	9,261	116
0.34	6,077	76	383	5	9,965	125
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
0.00	0	0	0	0	0	0
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
0.96	17,358	7 Ave.	1,094	14 Total	28,462	356 Total

Cumulative Loading Calculations

	Nitrogen	TDS
Commercial Applications		
July-12	0 lbs/acre	0 lbs/acre
August-12	99 lbs/acre	919 lbs/acre
September-12	116 lbs/acre	1,579 lbs/acre
October-12	14 lbs/acre	356 lbs/acre
Total	**229 lbs/acre**	**2,854 lbs/acre**

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # Ms 5 Technician: Sergio

Date: 10-1-17 Weather: Sunny 71°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 5 Technician: Sergio

Date: 10-2-12 Weather: Sunny 71°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 5 Technician: Sergio

Date: 10-3-12 Weather: Sunny 69°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # M55 Technician: Sergio

Date: 10-4-12 Weather: Sunny 70°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # Ms 5 Technician: Sergio

Date: 10-5-12 Weather: Cold 62°

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

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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: Cold 62° Wind 7mphSW
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 5 Technician: Sergio

Date: 10-6-17 Weather: Cool 65

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Cool 65° Wind 5mph VE
14. Other observations: pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 5 Technician: Sergio

Date: 10-7-12 Weather: Sunny 68°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # Ms 5 Technician: Sergio

Date: 10-8-12 Weather: Sunny 73°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily DURING-Application Inspection Observations:

Field No: # Ms 5 Technician: Sergio

Date: 10-9-12 Weather: Sunny 70°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily DURING-Application Inspection Observations:

Field No: # MS 5 Technician: Sergio

Date: 10-10-12 Weather: Sunny 69°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: #Ms 5 Technician: Sergio

Date: 10-11-17 Weather: Sunny 67°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 6 Technician: Sergio

Date: 10-1-12 Weather: Sunny 71°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # Ms 6 Technician: Sergio

Date: 10-2-17 Weather: Sunny 71°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **POST**-Application Inspection Observations:

Field No: # 6 . Technician: Sergio

Date: 10-3-12 Weather: Sunny 69

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

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

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS 14 Technician: Sergio

Date: 10-1-12 Weather: Sunny 71°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # MS14 Technician: Sergio

Date: 10-2-12 Weather: Sunny 71°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 14 Technician: Sergio

Date: 10-3-12 Weather: Sunny 69°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 69° Normal
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: 10-4-12 Weather: Sunny 70°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily DURING-Application Inspection Observations:

Field No: # 14 Technician: Sergio

Date: 10-5-12 Weather: Cold 62°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Cold 62° Wind 2mph SW
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: 10-6-12 Weather: Cool 65

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Cool 65° Wind 5mph NE
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: 10-7-12 Weather: Sunny 68°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 14 Technician: Sergio

Date: 10-8-12 Weather: Sunny 73°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 73° Wind 3mph NE
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: 10-9-12 Weather: Sunny 70°

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

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

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **POST**-Application Inspection Observations:

Field No: # 14 . Technician: Sergio

Date: 10-10-12 Weather: Sunny 69°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 15 Technician: Sergio

Date: 10-1-12 Weather: Sunny 71°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 15 Technician: Sergio

Date: 10-2-12 Weather: Sunny 71°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 15 Technician: Sergio

Date: 10-3-12 Weather: Sunny 69°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 15 Technician: Sergio

Date: 10-4-12 Weather: Sunny 70°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 15 Technician: Sergio

Date: 10-5-12 Weather: Cold 62°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 15 Technician: Sergio

Date: 10-6-12 Weather: Cool 65°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Cool 65° Wind 5mph NE
14. Other observations: Pasture Looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 15 Technician: Sergio

Date: 10-7-12 Weather: Sunny 68

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 15 Technician: Sergio

Date: 10-8-12 Weather: Sunny 73°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 15 Technician: Sergio

Date: 10-9-17 Weather: Sunny 70°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 15 Technician: Sergio

Date: 10-10-12 Weather: Sunny 69°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 15 Technician: Sergio

Date: 10-1-12 Weather: Sunny 67°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily DURING-Application Inspection Observations:

Field No: #16/17 Technician: Sergio

Date: 10-1-12 Weather: Sunny 71°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily DURING-Application Inspection Observations:

Field No: # 16117 Technician: Sergio

Date: 10-12-12 Weather: Sunny 71°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily DURING-Application Inspection Observations:

Field No: # 16117 Technician: Sergio

Date: 10-3-12 Weather: Sunny 69°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 16117 Technician: Sergio

Date: 10-4-12 Weather: Sunny 70°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 16/17 Technician: Sergio

Date: 10-5-12 Weather: Cold 62°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 16117 Technician: Sergio

Date: 10-6-12 Weather: Cool 65°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Cool 65 Wind 5mph NE
14. Other observations: Pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily DURING-Application Inspection Observations:

Field No: # 16117 Technician: Sergio

Date: 10-7-17 Weather: Sunny 68°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily DURING-Application Inspection Observations:

Field No: # 16117 Technician: Sergio

Date: 10-8-12 Weather: Sunny 73°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 16/17 Technician: Sergio

Date: 10-9-12 Weather: Sunny 70°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily DURING-Application Inspection Observations:

Field No: # 16/17 Technician: Sergio

Date: 10-10-12 Weather: Sunny 69°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily DURING-Application Inspection Observations:

Field No: # 16117 Technician: Sergio

Date: 10-11-17 Weather: Sunny 67°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 18ch1 Technician: Sergio

Date: 10-1-12 Weather: Sunny 71°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 18 ch 1 Technician: Sergio

Date: 10-2-17 Weather: Sunny 71°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 18ch1 Technician: Sergio

Date: 10-3-17 Weather: Sunny 69°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 18 & 1 Technician: Sergio

Date: 10-4-17 Weather: Sunny 70°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 18 & 1 Technician: Sergio

Date: 10-5-12 Weather: Cold 62°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 18ch1 Technician: Sergio

Date: 10-6-17 Weather: cool 65°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Cool 65° wind 5mph NE
14. Other observations: Pasture Looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 18cw1 Technician: Sergio

Date: 10-7-17 Weather: Sunny 68°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 18 & 1 Technician: Sergio

Date: 10-8-12 Weather: Sunny 73°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 18ch1 Technician: Sergio

Date: 10-9-12 Weather: Sunny 70°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 18ch1 Technician: Sergio

Date: 10-10-12 Weather: Sunny 69°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily DURING-Application Inspection Observations:

Field No: # 18 CN1 Technician: Sergio

Date: 10-11-12 Weather: Sunny 67°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # 20ch1 Technician: Sergio

Date: 10-8-12 Weather: Sunny 73°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 20ch1 Technician: Sergio

Date: 10-9-12 Weather: Sunny 70°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 20cw1 Technician: Sergio

Date: 10-10-12 Weather: Sunny 69°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 20ch1 Technician: Sergio

Date: 10-11-12 Weather: Sunny 67°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **PRE**-Application Inspection Observations:

Field No: # 24cW1 Technician: Sergio

Date: 10-3-12 Weather: Sunny 69°

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

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

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 24ch1 Technician: Sergio

Date: 10-4-12 Weather: Sunny 70°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 24cn1 Technician: Sergio

Date: 10-5-12 Weather: Cold 62°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Cold 62° wind 7mph SW
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: 10-6-12 Weather: Cool 65°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Cool 65° Wind 5mph NE
14. Other observations: Pasture looks Good

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 24 cw1 Technician: Sergio

Date: 10-7-12 Weather: Sunny 68°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 24ch1 Technician: Sergio

Date: 10-8-12 Weather: Sunny 73°

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good _____
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 73° Wind 3mph NE
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: 10-9-17 Weather: Sunny 70°.

1. Any evidence of erosion: yes / (no) _____
2. Berm Condition Good
3. Standpipe and flow control valve condition N/A Lift Pumps Working
4. Are the valves being used properly: (yes) / no _____
5. Is there any soil saturation: yes / (no) _____
6. Is there any ponding: yes / (no) _____
7. Is there any potential runoff to off-site areas: yes / (no) _____
8. Is there any potential and actual discharge to surface water: yes / (no) _____
9. Are there any accumulation of organic solids at soil surface: yes / (no) _____
10. Is there any soil clogging: yes / (no) _____
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes / (no) _____
12. Are there any insects: yes / (no) _____
13. Temperature and wind direction/strength: Sunny 70° Downwind
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: 10-10-12 Weather: Sunny 69°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 24cnl Technician: Sergio

Date: 10-11-17 Weather: Sunny 67°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 24ch2 Technician: Sergio

Date: 10-1-12 Weather: Sunny 71°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **DURING**-Application Inspection Observations:

Field No: # 24ch2 Technician: Sergio

Date: 10-2-12 Weather: Sunny 71°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily DURING-Application Inspection Observations:

Field No: # 24ch2 Technician: Sergio

Date: 10-3-12 Weather: Sunny 69°

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

MORNING STAR

"Excellence Through Commitment"

LAND APPLICATION AREA MONITORING

Daily **POST**-Application Inspection Observations:

Field No: # 24ch2 . Technician: Susie

Date: 10-4-12 Weather: Sunny 70°

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