

**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 and Fred Gobel  
Name of Facility: Williams Facility  
WDRs Order Number: R5-2013-0144  
WDID: 5A062005001  
County: Colusa

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

**Check all that apply:**

Monthly Monitoring Report for the month of AUGUST 2015  
1st / 2nd / 3rd / 4th (circle one) Quarterly Monitoring Report for the year of N/A  
1st / 2nd (circle one) Semi-annual Monitoring Report for the year N/A  
Annual Monitoring Report for the year N/A

**Violation Notification**

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

1. The violations were: (add extra pages as needed) *PLEASE SEE NOV WRITTEN BY RWQCB, DATED SEPT 11TH, BOD LOADING AND DISSOLVED OXYGEN.*
2. Have the violations been corrected? Yes / No If no, what will be done to correct the violations: (add extra pages as needed) *MODIFICATIONS TO OPERATIONS IN OFFSEASON AND PRIOR TO 2016 SEASON.*

**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: *Ross Oliveira* Phone: (530)666-6600  
Printed Name: ROSS OLIVEIRA Date: 10/1/15



# THE MORNING STAR PACKING COMPANY

724 Main Street, Woodland CA 95695

30 September 2015

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. R5-2013-0144.

Dear Mr. Childs:

Please find herewith the August Report with items requested in the Monthly Monitoring Reports section of the Monitoring and Reporting Program No. R5-2013-0144.

*1. Tabulated pond monitoring data.*

The tabulated pond monitoring results for August is included as **Attachment A**.

*2. Tabulated daily flow measurements from each wastewater source and supplemental irrigation water to each check in each LAA field.*

The August flow measurement logsheet is included as **Attachment B**.

*3. The cumulative annual wastewater (Station 1 and Station 2) flow discharged to the LAAs to date, the average daily flow for the month, and comparison to the average daily flow limit.*

The cumulative annual washwater from Station 1 and Station 2 are provided below and included in **Attachment B**:

Source	Annual Flow	Flow Limit
Station 1: Settling Pond/Gutters	89,850,168	
Station 2: Cooling Pond	0	
Total Washwater Discharge	89,850,168	422,000,000

Williams  
2211 Old HWY 99  
Williams, California  
95987

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

Los Banos  
13448 Volta Rd  
Los Banos, California  
93635



4. *Tabulated wastewater monitoring data and calculation of the running average for each group of three consecutive sample results for BOD and total nitrogen.*

The August washwater monitoring data logsheet is included as **Attachment C**.

5. *A current site plan depicting the irrigation checks within each LAA field that will be used during the calendar year, including all water conveyance ditches and internal berms that divide each LAA (where applicable).*

An updated 2015 site plan for the facility's LAA and individual field maps are provided in **Attachment D**.

6. *Tabulated update cropping information for each LAA field that includes at least:*

- a. *The crop that will be grown in each field;*
- b. *Planned and actual planting dates;*
- c. *Planned and actual harvest dates;*
- d. *Planned and actual cattle grazing schedule, location of cattle grazing, including the number of head on each field;*
- e. *Typical maximum expected and actual yield at harvest in applicable crop units per acre;*
- f. *Crop total nitrogen demand; and*
- g. *Crop average evapotranspiration rate in inches*

The tabulated cropping information for each LAA is included as **Attachment E**.

7. *Tabulated land application area monitoring data for each LAA field, including; calculation of the hydraulic loading, irrigation cycle average BOD loading, and total nitrogen loading to date from all sources. The average of the three most recent monitoring results shall be used to determine irrigation cycle average BOD and total nitrogen loading. Loading rates for Settling Pond solids, residual solids, cattle manure and commercial fertilizers shall be calculated separately using actual load analytical results and application areas.*

The tabulated land application area monitoring data for each LAA field are also included as **Attachment E**.

8. *A summary of the daily pre-application inspection reports for the month.*

The pre-application inspection reports for August are included as **Attachment F**.

9. *Calculation of the flow-weighted average FDS concentration to date (representative of the Settling Pond and plant sanitation/clean-up water) as monitored at Station 1.*

The calculation of the flow-weighted average FDS concentration is presented at the bottom of **Attachment C**.

10. Residual solids monitoring data and monthly mass of residual solids generated and applied to each LAA field and/or disposed of off-site.

The August residual solids monitoring data is included as **Attachment G**.

11. A comparison of monitoring data to the flow limitations, effluent limitations; mass loading limitations (for each LAA field), and discharge specifications, and an explanation of any violation of those requirements.

The Morning Star Packing Company – Williams is in compliance with the flow limitations, the effluent limitations and the discharge specifications, however, the mass loading limitations were exceeded for BOD in fields MS2 (2 days), MS3 (2 days), MS6 (13 days), MS11 (6 days), MS15 (3 days), MS16 (6 days), MS18a (6 days), MS 24 (5 days).

12. If requested by staff, copies of laboratory analytical report(s).

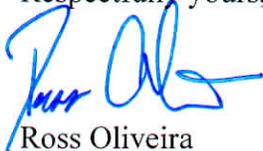
If requested, The Morning Star Packing Company – Williams will mail out the laboratory analytical reports.

13. Copies of current calibration logs for all field test instruments.

The calibration logs for August are included as **Attachment H**, which includes the 2015 flow meter calibration logs that were completed in May 2015.

*"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

# **Attachment A**

**MONTHLY MONITORING REPORT**

**DISCHARG Morning Star Packing Company, LP and Fred Gobel  
 FACILITY: Morning Star Tomato Packing Plant  
 COUNTY: Colusa  
 WDRs Order R5-2013-0144**

**MONTH**

August
2015

  
**YEAR**

**POND MONITORING RESULTS: No water in pond**

Monitoring Location	Monitoring Week	Monitoring Date	Monitoring Time	Dissolved Oxygen <sup>1</sup> (mg/L)	pH	Freeboard (0.1 feet)	Odors <sup>3</sup>	Monthly Pond Berm/Leeve Condition <sup>4</sup>	Technican's Initials	Notes
Settling Pond	Week 1	8/6/15	9:00am	2.3	5.1	3.5	Slight	Good	J.Y.	
	Week 2	8/13/15	10:30am	4.0	5.2	3.2	Slight	Good	J.Y.	
	Week 3	8/20/15	10:15am	D-0.7 , G-1.6	5.5	3.3	Slight	Good	J.Y.	
	Week 4	8/27/15	7:00am 3:00pm	D-0.3 , G-0.5	4.5	2.4	Slight	Good	C.R.	Lab DO - 0.51
	Week 5									
Cooling Pond	Week 1	8/6/15	8:30am	1.3	6.8	3.2	Slight	Good	J.Y.	
	Week 2	8/13/15	10:00am	0.6	7.2	2.8	Slight	Good	J.Y.	
	Week 3	8/20/15	9:45am	D-0.5 , G-2.0	6.9	3.0	Slight	Good	J.Y.	
	Week 4	8/27/15	7:30am 3:30pm	D-2.1 , G-2.8	7.2	2.9	Slight	Good	C.R.	Lab DO - 1.5
	Week 5									

Sample frequency shall be weekly during the processing season and monthly during the non-processing season.

<sup>1</sup>Samples shall be collected at a depth of one foot from each pond in use, opposite the inlet.

<sup>2</sup>Freeboard shall be measured to the nearest 0.1 foot from staff gauge.

<sup>3</sup>Odors shall be reported as (none, slight, moderate, strong)

<sup>4</sup>If a pond berm/leeve conditon is not reported as good, a description of the condition of the berm/leeve shall be provided, as well as the maintenance that was completed.

# **Attachment B**

**MONTHLY MONITORING REPORT**

**DISCHARGER:** Morning Star Packing Company, LP and Fred Gobel  
**FACILITY:** Morning Star Tomato Packing Plant  
**COUNTY:** Colusa  
**WDRs Order:** R5-2013-0144

**MONTH** August  
**YEAR** 2015

**FLOW MONITORING RESULTS :**

Monitoring Date (Day of Month)	Flow Source					Names of LAAs Irrigated	Station 3 - Total Discharge to LAAs (inches)
	Supplemental <del>GCID</del> Irrigation Water (gallons; calculated)	Station 1 - Settling Pond Water (gallons; meter)	Station 2 - Cooling Pond Water (gallons; meter)	Station 3 - Total Discharge to LAAs (gallons; meter)			
1	0	1,657,545	0	0	-	0	
2	0	1,673,894	0	0	-	0	
3	0	1,813,821	0	0	-	0	
4	0	1,771,250	0	0	-	0	
5	0	1,905,041	0	0	-	0	
6	0	1,873,989	0	0	-	0	
7	0	1,853,615	0	0	-	0	
8	0	1,853,615	0	0	-	0	
9	0	1,840,539	0	0	-	0	
10	0	2,017,488	0	0	-	0	
11	0	1,831,498	0	0	-	0	
12	0	1,726,599	0	0	-	0	
13	0	2,097,305	0	0	-	0	
14	0	2,133,388	0	0	-	0	
15	0	2,126,316	0	0	-	0	
16	0	1,961,506	0	0	-	0	
17	0	2,048,665	0	0	-	0	
18	0	1,920,323	0	0	-	0	
19	0	1,934,545	0	0	-	0	
20	0	2,011,924	0	0	-	0	
21	0	1,950,078	0	0	-	0	
22	0	1,802,353	0	0	-	0	
23	0	1,771,160	0	0	-	0	
24	0	1,769,913	0	0	-	0	
25	0	1,641,468	0	0	-	0	
26	0	1,835,087	0	0	-	0	
27	0	1,812,468	0	0	-	0	
28	0	1,707,119	0	0	-	0	
29	0	1,731,027	0	0	-	0	
30	0	1,793,835	0	0	-	0	
31	0	1,841,994	0	0	-	0	
<b>Total Monthly Flow (MG)</b>	0	57,709,368	0	0		0	
<b>Average Daily Flow (MGD)</b>	0	1,861,593	0	0		0	
<b>Cumulative Annual Flow to Date (MG)</b>	36,360,000	89,850,168	0	0		0	

# **Attachment C**

**MONTHLY MONITORING REPORT**

**DISCHARGER:** Morning Star Packing Company, LP and Fred Gobel

**MONTH**

August
--------

**FACILITY:** Morning Star Tomato Packing Plant

**YEAR**

2015
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**COUNTY:** Colusa

**WDRs Order:** R5-2013-0144

**WASTEWATER MONITORING RESULTS : No Washwater Monitoring**

**Samples Collected from Station 1**

Monitoring Week	Monitoring Date	BOD (mg/L)	3-Sample Average BOD (mg/L) <sup>1</sup>	Total Nitrogen (mg/L)	3-Sample Average Total Nitrogen (mg/L) <sup>1</sup>	FDS (mg/L)
Second to Last Week of Previous Month	7/23/15	73 <sup>1</sup>		8.1 <sup>1</sup>		400
Last Week of Previous Month	7/30/15	2300		77		860
Week 1 of Current Month	8/6/15	2400	2350	100	89	4150
Week 2 of Current Month	8/13/15	1580	2093	61	79	780
Week 3 of Current Month	8/20/15	1120	1700	46	69	570
Week 4 of Current Month	8/27/15	1470	1390	56	54	590
Week 5 of Current Month						

<sup>1</sup> BOD testing done outside of hold times. 7/23 result not used in calculations.

Sampling is not required during periods when no wastewater is discharged to the LAAs.

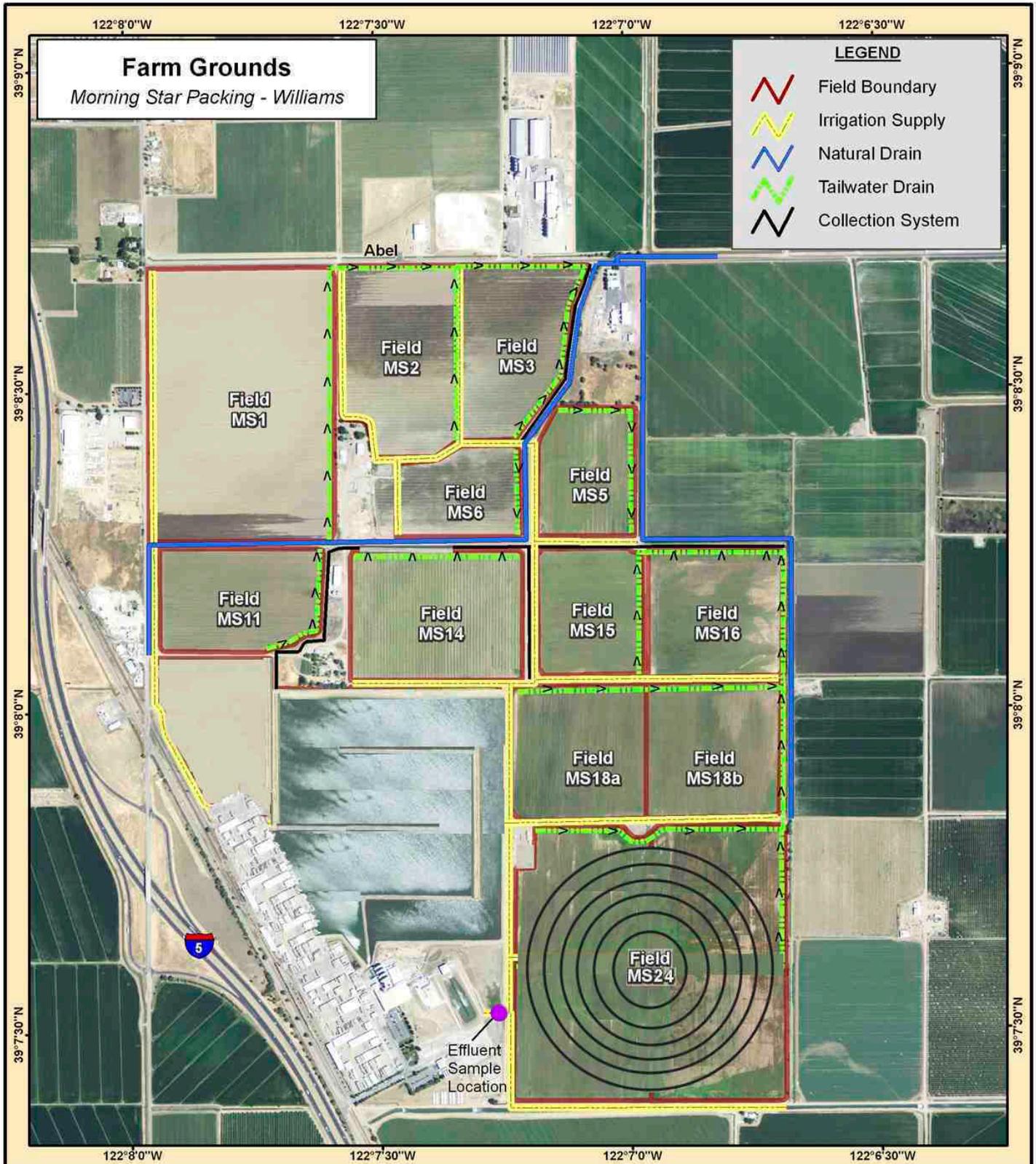
<b>Average BOD Concentration (mg/L)<sup>1</sup></b>	<b>1643</b>
<b>Average Monthly Total Nitrogen Concentration (mg/L)<sup>2</sup></b>	<b>66</b>
<b>Monthly Average FDS Concentration (mg/L)</b>	<b>1523</b>
<b>Flow Weighted Average FDS Concentration to Date (mg/L)<sup>3</sup></b>	<b>606</b>

<sup>1</sup>See MRP Reporting Section A.4.

<sup>2</sup>Value to be used in annual loading calculation (WDR Section C.2.a).

<sup>3</sup>Calculated per WDR Section C.1.a (Show Calculations). Sample result from 8/6 is questionable so was not used. Flow Weighted FDS with this value is 1027.

# **Attachment D**



Custom Mapping Services, L.L.C. does not guarantee the accuracy or content of the data used in this map. Map is intended for pictorial use only and is not to be used for legal purposes.

Map Scale 1:14,400 1 Inch = 1,200 Feet



Data Source:  
Aerial Photography: Summer 2012  
Projection: UTM Zone 10N, NAD 83  
State of California: Colusa County

Map Source:  
Custom Mapping Services, L.L.C.  
Prairieville, LA (225) 677-7207  
Map Date: February 27, 2014  
Map ID: CMS2014-038

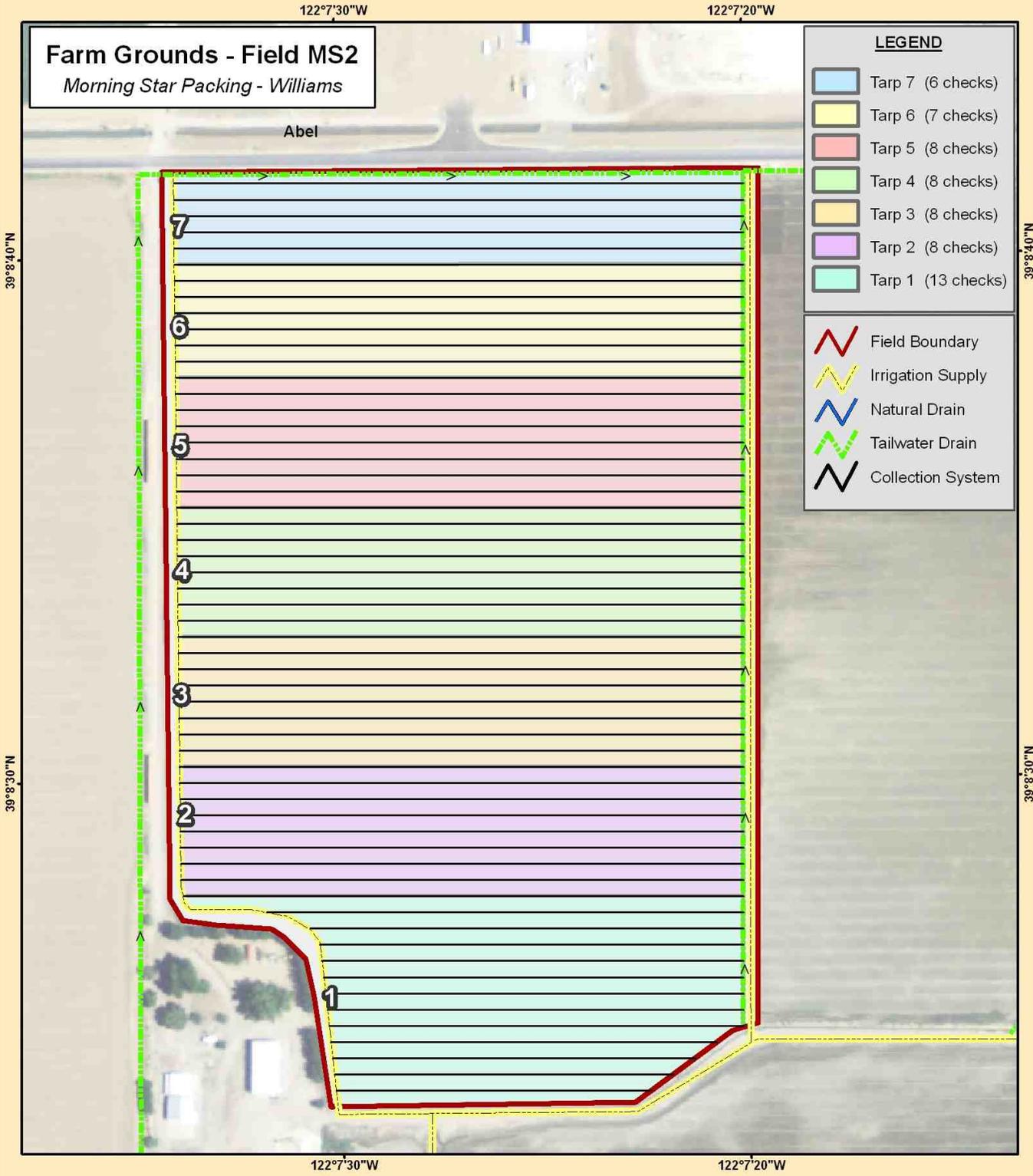
**Farm Grounds - Field MS2**  
Morning Star Packing - Williams

Abel

**LEGEND**

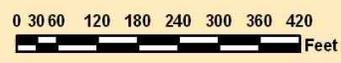
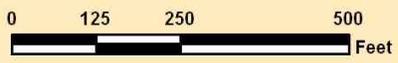
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-  Tarp 6 (7 checks)
-  Tarp 5 (8 checks)
-  Tarp 4 (8 checks)
-  Tarp 3 (8 checks)
-  Tarp 2 (8 checks)
-  Tarp 1 (13 checks)

-  Field Boundary
-  Irrigation Supply
-  Natural Drain
-  Tailwater Drain
-  Collection System



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Map Scale 1:3,000 1 Inch = 250 Feet



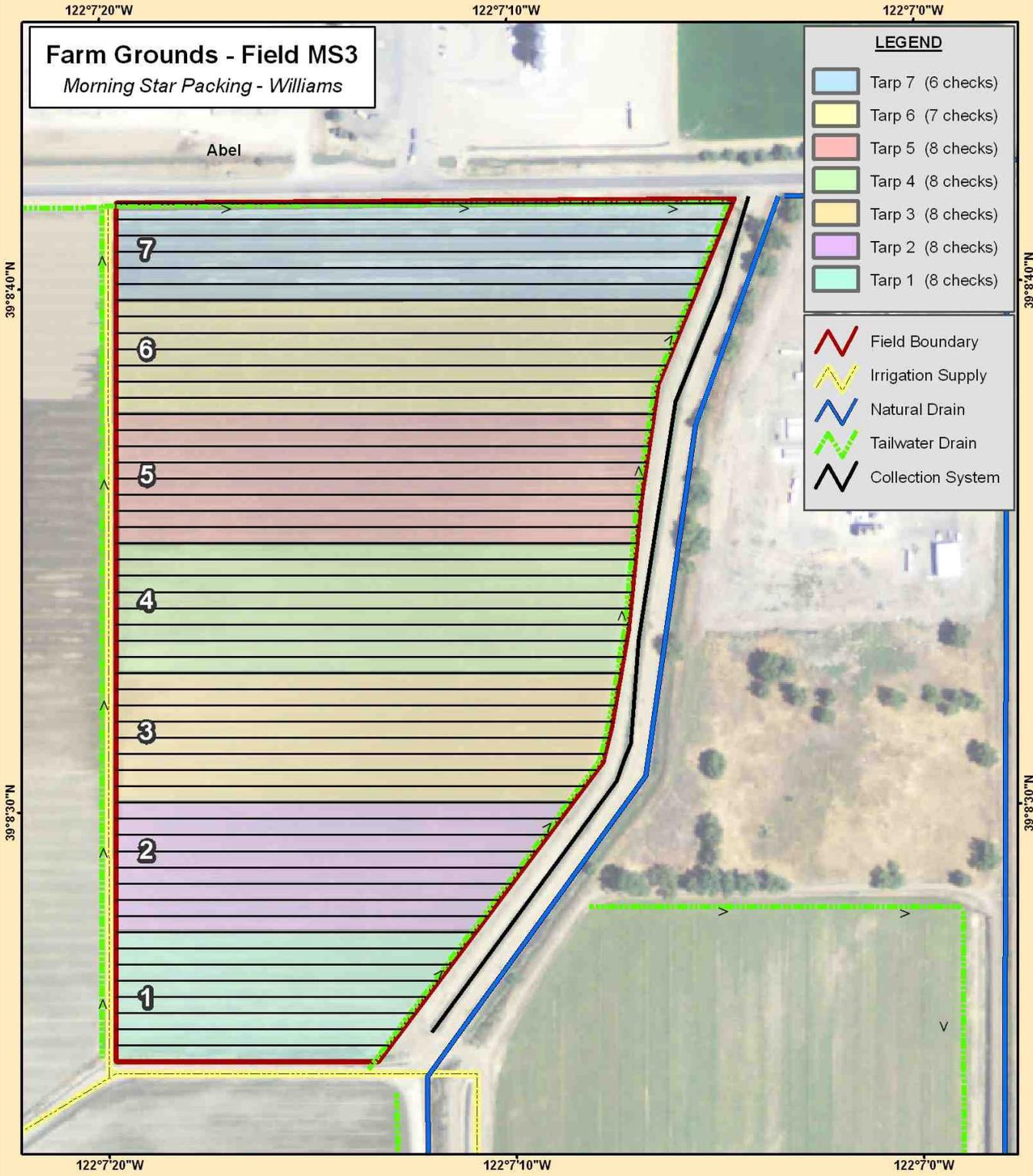
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Aerial Photography: Summer 2012  
Projection: UTM Zone 10N, NAD 83  
State of California: Colusa County

Map Source:  
Custom Mapping Services, L.L.C.  
Prairieville, LA (225) 677-7207  
Map Date: March 18, 2014  
Map ID: CMS2014-043

**Farm Grounds - Field MS3**  
Morning Star Packing - Williams

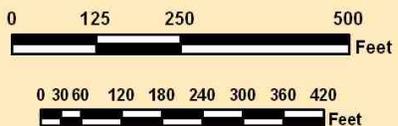
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  -  Tarp 2 (8 checks)
  -  Tarp 1 (8 checks)
- 
-  Field Boundary
  -  Irrigation Supply
  -  Natural Drain
  -  Tailwater Drain
  -  Collection System



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Map Scale 1:3,000 1 Inch = 250 Feet



Data Source:  
Aerial Photography: Summer 2012  
Projection: UTM Zone 10N, NAD 83  
State of California: Colusa County

Map Source:  
Custom Mapping Services, L.L.C.  
Prairieville, LA (225) 677-7207  
Map Date: March 24, 2014  
Map ID: CMS2014-044

**Farm Grounds - Field MS5**  
Morning Star Packing - Williams

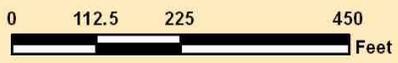
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  -  Tarp 3 (8 checks)
  -  Tarp 2 (7 checks)
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- 
-  Field Boundary
  -  Irrigation Supply
  -  Natural Drain
  -  Tailwater Drain
  -  Collection System



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Map Scale 1:2,700 1 Inch = 225 Feet



Data Source:  
Aerial Photography: Summer 2012  
Projection: UTM Zone 10N, NAD 83  
State of California: Colusa County

Map Source:  
Custom Mapping Services, L.L.C.  
Prairieville, LA (225) 677-7207  
Map Date: March 24, 2014  
Map ID: CMS2014-049

**Farm Grounds - Field MS6**  
Morning Star Packing - Williams

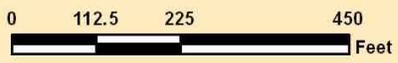
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-  Tarp 2 (7 checks)
-  Tarp 1 (8 checks)
-  Field Boundary
-  Irrigation Supply
-  Natural Drain
-  Tailwater Drain
-  Collection System



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Map Scale 1:2,700 1 Inch = 225 Feet



Data Source:  
Aerial Photography: Summer 2012  
Projection: UTM Zone 10N, NAD 83  
State of California: Colusa County

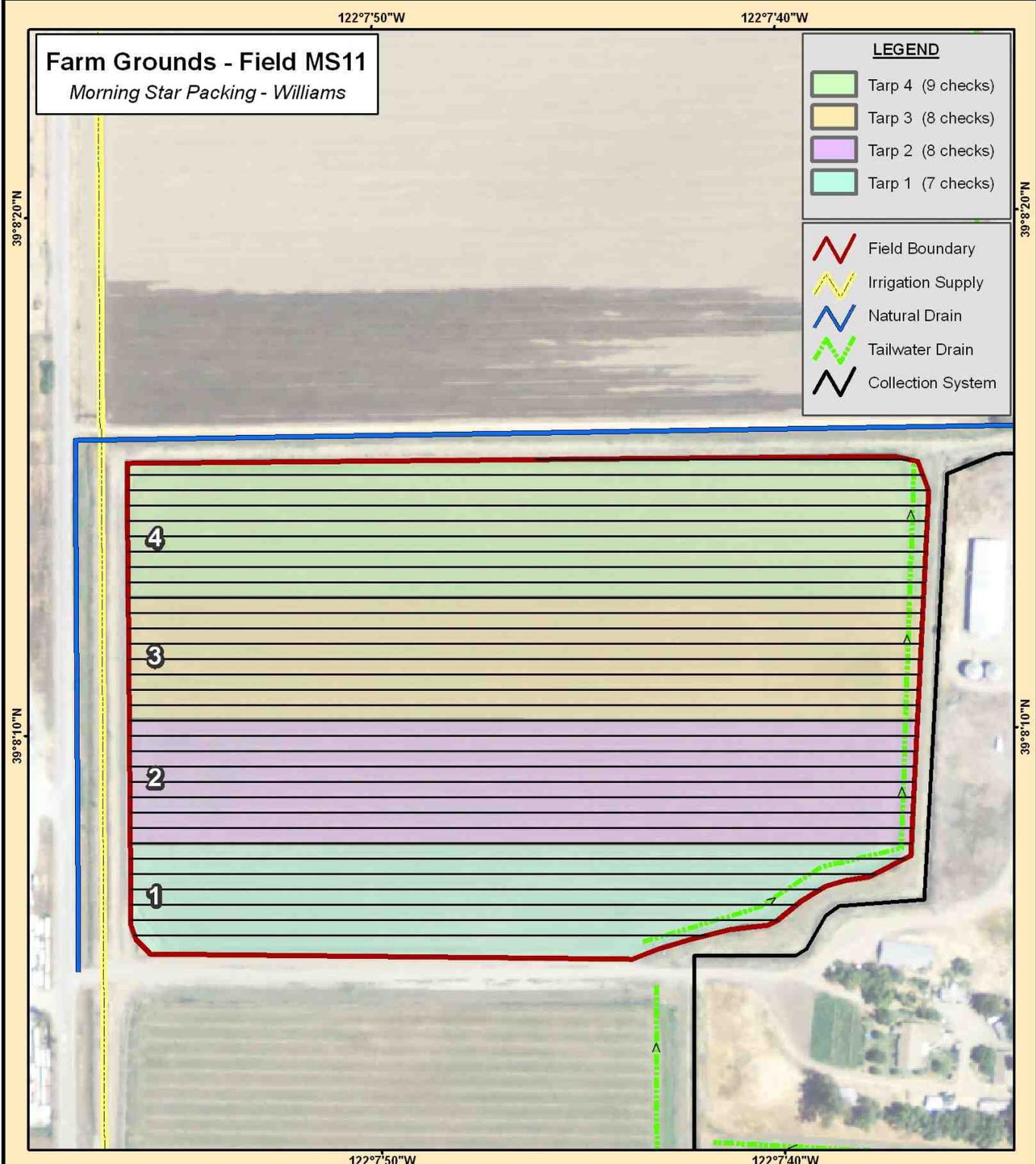
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Prairieville, LA (225) 677-7207  
Map Date: March 24, 2014  
Map ID: CMS2014-047

**Farm Grounds - Field MS11**  
*Morning Star Packing - Williams*

**LEGEND**

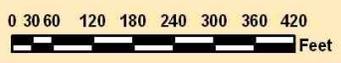
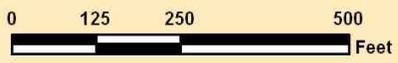
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-  Tarp 2 (8 checks)
-  Tarp 1 (7 checks)

-  Field Boundary
-  Irrigation Supply
-  Natural Drain
-  Tailwater Drain
-  Collection System



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Map Scale 1:3,000 1 Inch = 250 Feet



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 Aerial Photography: Summer 2012  
 Projection: UTM Zone 10N, NAD 83  
 State of California: Colusa County

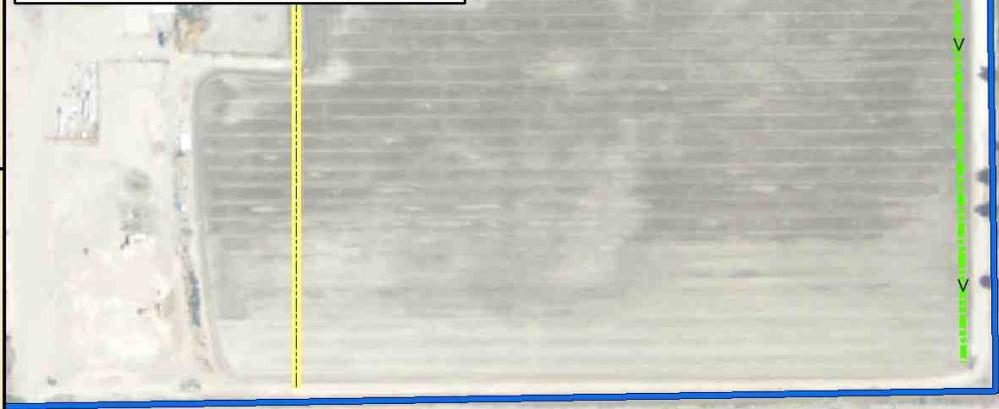
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 Custom Mapping Services, L.L.C.  
 Prairieville, LA (225) 677-7207  
 Map Date: March 24, 2014  
 Map ID: CMS2014-048

**Farm Grounds - Field MS14**  
Morning Star Packing - Williams

**LEGEND**

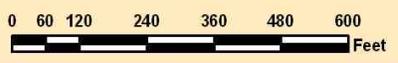
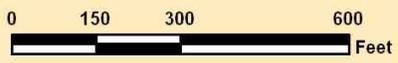
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-  Tarp 6 (8 checks)
-  Tarp 5 (8 checks)
-  Tarp 4 (8 checks)
-  Tarp 3 (8 checks)
-  Tarp 2 (8 checks)
-  Tarp 1 (8 checks)

-  Field Boundary
-  Irrigation Supply
-  Natural Drain
-  Tailwater Drain
-  Collection System



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Map Scale 1:3,600 1 Inch = 300 Feet



Data Source:  
Aerial Photography: Summer 2012  
Projection: UTM Zone 10N, NAD 83  
State of California: Colusa County

Map Source:  
Custom Mapping Services, L.L.C.  
Prairieville, LA (225) 677-7207  
Map Date: March 24, 2014  
Map ID: CMS2014-050

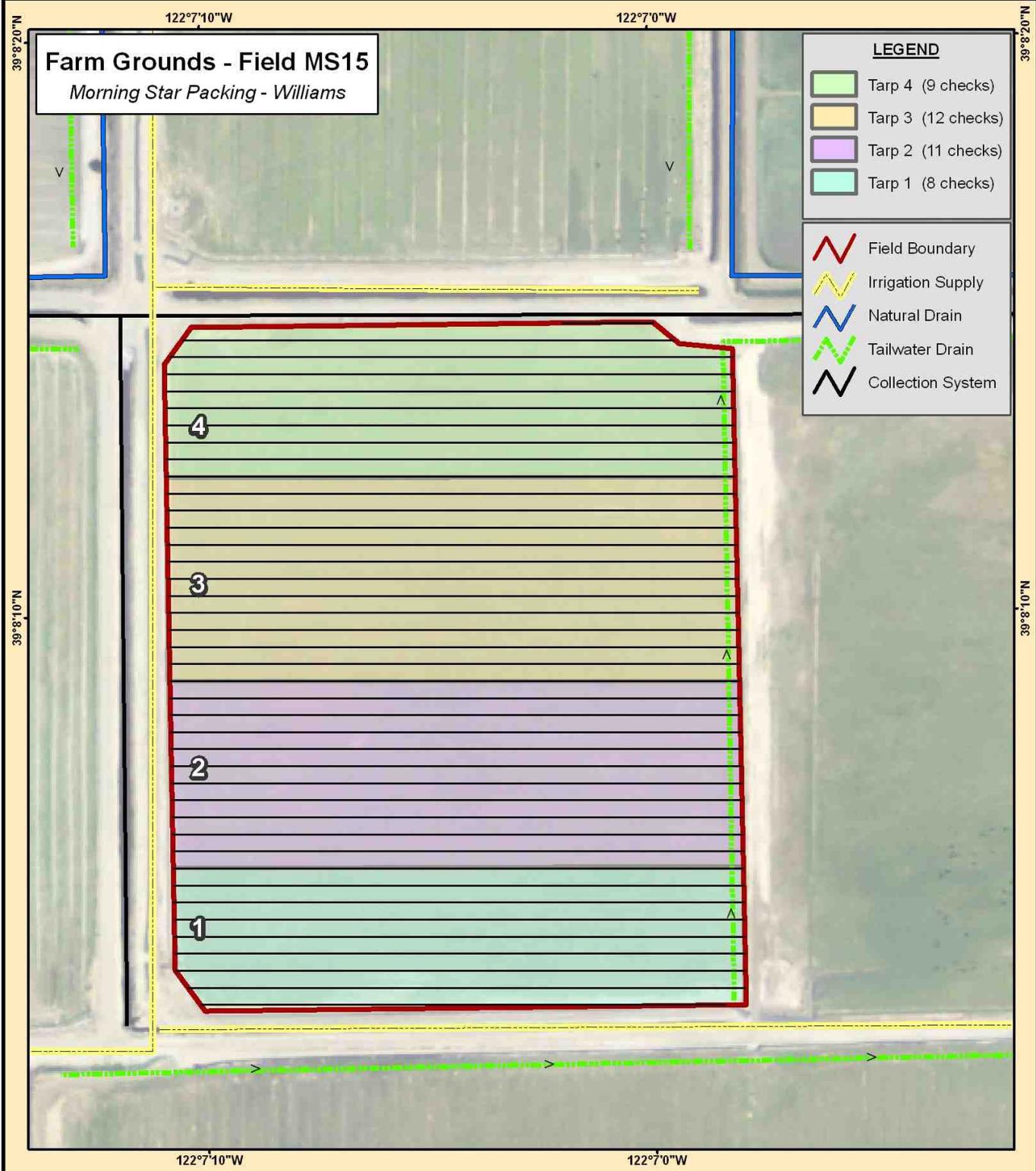
**Farm Grounds - Field MS15**  
Morning Star Packing - Williams

**LEGEND**

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-  Tarp 1 (8 checks)

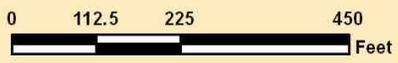
  

-  Field Boundary
-  Irrigation Supply
-  Natural Drain
-  Tailwater Drain
-  Collection System



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Map Scale 1:2,700 1 Inch = 225 Feet



Data Source:  
Aerial Photography: Summer 2012  
Projection: UTM Zone 10N, NAD 83  
State of California: Colusa County

Map Source:  
Custom Mapping Services, L.L.C.  
Prairieville, LA (225) 677-7207  
Map Date: March 24, 2014  
Map ID: CMS2014-045

# **Attachment E**

**MONTHLY MONITORING REPORT**

MONTH August  
 YEAR 2015

DISCHARGER: Morning Star Packing Company, LP and Fred Gobel  
 FACILITY: Morning Star Tomato Packing Plant  
 COUNTY: Colusa  
 WDRs Order: R5-2013-0144

**LAND APPLICATION AREA MONITORING RESULTS FOR FIELD NAME**

MS2

(Submit one sheet for each field irrigated during the month)

**Field Irrigation Information**

Area (acres)	41.05
Number of Checks	58
Check Width (feet)	30
Check Length (feet)**	1,100
Irrigation Application Days	N/A
Irrigation Resting Days	N/A
Irrigation Cycle Days	N/A

**Crop Information**

Crop Name	Sudan Grass
Crop ET (Inches)	
Total Nitrogen Demand (lb/ac)	
Anticipated Planting Date	5/15/15
Actual Planting Date	5/20/15
Anticipated Harvest Date	7/15, 9/15
Actual Harvest Date	8/6/15
Expected Harvest Yield	3 tons/acre
Actual Harvest Yield	2 tons/acre

**Cattle Grazing Schedule**

Number of Cattle on Field	0
Cattle Grazing Start Date	N/A
Cattle Grazing End Date	N/A
BOD Mass/Head (lb/day/head)	N/A
Nitrogen Mass/Head (lb/day/head)	N/A

\*\*Est based on Google Earth

Day of Month	Start Time	End Time	Precipitation (Inches)	Names of Checks Irrigated Each Day	Types of Water Applied (wastewater, cooling water, supplemental irrigation)	Estimated Total Volume to Each Check (gal)	Total Irrigation Hours for Each Check	Area (acres)	Total Volume of Water Applied to Each Check (inches) <sup>1</sup>	BOD Loading Rate as an Irrigation Cycle Average (lb/ac/day) <sup>2</sup>
1			0							
2			0							
3			0							
4			0							
5			0							
6			0							
7			0							
8			0							
9			0							
10			0							
11			0							
12			0							
13			0							
14	1200		0	1-16	Washwater	100,759	12	11.4	0.03	8
15			0	1-16	Washwater	61,598	24	11.4	0.02	8
16		1400	0	1-16	Washwater	28,982	14	11.4	0.01	8
	1400		0	17-40	Washwater	30,943	10	17.04	0.01	8
17			0	17-40	Washwater	112,228	24	17.04	0.02	8
18		1600	0	17-40	Washwater	85,998	16	17.04	0.02	8
	1600		0	25-58	Washwater	59,048	8	23.4	0.01	8
19			0	25-58	Washwater	748,691	24	23.4	0.10	8
20			0	25-58	Washwater	1,141,586	24	23.4	0.15	8
21		0600	0	25-58	Washwater	204,024	6	23.4	0.03	8
22			0							
23			0							
24			0							
25			0							
26	0600		0	1-16	Washwater	65,241	18	11.4	0.02	24
27		0800	0	1-16	Washwater	36,950	8	11.4	0.01	24
	0800		0	17-40	Washwater	110,461	16	17.04	0.02	20
28		1300	0	17-40	Washwater	338,118	13	17	0.1	20
	1300		0	41-58	Washwater	211,720	11	13	0.1	109
29		2000	0	41-58	Washwater	251,710	20	13	0.1	109
30			0							
31			0.02							
<b>Total</b>			0.02							

<sup>1</sup>Calculations and assumptions shall be documented on a separate piece of paper

<sup>2</sup>See MRP page 3, "Land Application Area" footnote 4 for calculation instructions. Calculations and assumptions shall be documented on a separate piece of paper.

Total Nitrogen Loading Rate for Month (lb/ac) <sup>3</sup>	48
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<sup>3</sup>See MRP footnote 5

**MONTHLY MONITORING REPORT**

MONTH August  
 YEAR 2015

DISCHARGER: Morning Star Packing Company, LP and Fred Gobel  
 FACILITY: Morning Star Tomato Packing Plant  
 COUNTY: Colusa  
 WDRs Order: R5-2013-0144

**LAND APPLICATION AREA MONITORING RESULTS FOR FIELD NAME**

MS3

(Submit one sheet for each field irrigated during the month)

**Field Irrigation Information**

Area (acres)	41.05
Number of Checks	53
Check Width (feet)	30
Check Length (feet)**	1,000
Irrigation Application Days	N/A
Irrigation Resting Days	N/A
Irrigation Cycle Days	N/A

**Crop Information**

Crop Name	Sudan Grass
Crop ET (Inches)	
Total Nitrogen Demand (lb/ac)	
Anticipated Planting Date	5/15/15
Actual Planting Date	5/20/15
Anticipated Harvest Date	7/15, 9/15
Actual Harvest Date	8/6/15
Expected Harvest Yield	3 tons/acre
Actual Harvest Yield	2 tons/acre

**Cattle Grazing Schedule**

Number of Cattle on Field	0
Cattle Grazing Start Date	N/A
Cattle Grazing End Date	N/A
BOD Mass/Head (lb/day/head)	N/A
Nitrogen Mass/Head (lb/day/head)	N/A

\*\*Est based on Google Earth

Day of Month	Start Time	End Time	Precipitation (Inches)	Names of Checks Irrigated Each Day	Types of Water Applied (wastewater, cooling water, supplemental irrigation)	Estimated Flow Rate to Each Check (gpm)	Total Irrigation Hours for Each Check	Area (acres)	Total Volume of Water Applied to Each Check (inches) <sup>1</sup>	BOD Loading Rate as an Irrigation Cycle Average (lb/ac/day) <sup>2</sup>
1			0							
2			0							
3			0							
4			0							
5			0							
6			0							
7			0							
8			0							
9			0							
10			0							
11			0							
12			0							
13			0							
14			0							
15	1200		0	1-16	Washwater	37,553	12	13.9	0.01	4
16			0	1-16	Washwater	60,578	24	13.9	0.01	4
17		1400	0	1-16	Washwater	53,402	14	13.9	0.01	4
	1400			17-38	Washwater	45,554	10	16.6	0.01	4
18			0	17-38	Washwater	125,666	24	16.6	0.02	4
19		1600	0	17-38	Washwater	354,082	16	16.6	0.1	4
	1600			39-53	Washwater	115,610	8	10.8	0.0	8
20			0	39-53	Washwater	528,837	24	10.8	0.15	8
21			0	39-53	Washwater	378,054	24	10.8	0.11	8
22		0600	0	39-53	Washwater	260,361	6	10.8	0.07	8
23			0							
24			0							
25			0							
26	0200		0	1-16	Washwater	97,226	22	13.9	0.02	17
27		0300	0	1-16	Washwater	16,895	3	13.9	0.00	17
	0300			17-31	Washwater	91,888	21	10.8	0.03	50
28		0500	0	17-31	Washwater	82,423	5	10.8	0.0	50
29	0500		0	32-53	Washwater	309,098	19	16	0.1	153
30		1200	0	32-53	Washwater	86,639	12	16	0.0	153
31	0400	0:00	0.02	1-16	Washwater	130,427	20	14	0.0	19
<b>Total</b>			0.02							

<sup>1</sup>Calculations and assumptions shall be documented on a separate piece of paper

<sup>2</sup>See MRP page 3, "Land Application Area" footnote 4 for calculation instructions. Calculations and assumptions shall be documented on a separate piece of paper.

Total Nitrogen Loading Rate for Month (lb/ac) <sup>3</sup>	37
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<sup>3</sup>See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH August  
 YEAR 2015

DISCHARGER: Morning Star Packing Company, LP and Fred Gobel  
 FACILITY: Morning Star Tomato Packing Plant  
 COUNTY: Colusa  
 WDRs Order: R5-2013-0144

LAND APPLICATION AREA MONITORING RESULTS FOR FIELD NAME

MS5

(Submit one sheet for each field irrigated during the month)

Field Irrigation Information

Area (acres)	24.6
Number of Checks	34
Check Width (feet)	30
Check Length (feet)**	1,200
Irrigation Application Days	N/A
Irrigation Resting Days	N/A
Irrigation Cycle Days	N/A

Crop Information

Crop Name	Sudan Grass
Crop ET (Inches)	
Total Nitrogen Demand (lb/ac)	
Anticipated Planting Date	5/16/15
Actual Planting Date	5/21/15
Anticipated Harvest Date	7/15, 9/15
Actual Harvest Date	7/24/15
Expected Harvest Yield	3 tons/acre
Actual Harvest Yield	1.8 tons/acre

Cattle Grazing Schedule

Number of Cattle on Field	0
Cattle Grazing Start Date	N/A
Cattle Grazing End Date	N/A
BOD Mass/Head (lb/day/head)	N/A
Nitrogen Mass/Head (lb/day/head)	N/A

\*\*Est based on Google Earth

Day of Month	Start Time	End Time	Precipitation (Inches)	Names of Checks Irrigated Each Day	Types of Water Applied (wastewater, cooling water, supplemental irrigation)	Estimated Flow Rate to Each Check (gpm)	Total Irrigation Hours for Each Check	Area (acres)	Total Volume of Water Applied to Each Check (inches) <sup>1</sup>	BOD Loading Rate as an Irrigation Cycle Average (lb/ac/day) <sup>2</sup>
1	0:00		0	1-17	Washwater	8,721	1	12.3	0.00	4
2			0	1-17	Washwater	196,764	24	12.3	0.05	4
3		0100	0	1-17	Washwater	9,277	1	12.3	0.0	4
	0100			18-34	Washwater	213,377	23	12.3	0.1	9
4			0	18-34	Washwater	180,563	24	12.3	0.0	9
5			0	18-34	Washwater	201,739	24	12.3	0.1	9
6		0400	0	18-34	Washwater	30,192	4	12.3	0.0	9
7			0							
8			0							
9			0							
10	0600		0	1-17	Washwater	392,506	18	12.3	0.1	19
11			0	1-17	Washwater	413,347	24	12.3	0.10	19
12		1500	0	1-17	Washwater	52,912	15	12.3	0.01	19
	1500			18-34	Washwater	31,747	9	12.3	0.01	100
13			0	18-34	Washwater	172,178	24	12.3	0.04	100
14		2100	0	18-34	Washwater	190,248	21	12.3	0.05	100
15			0							
16			0							
17			0							
18			0							
19			0							
20			0							
21			0							
22			0							
23	2300		0	1-17	Washwater	19,857	1	12.3	0.00	94
24			0	1-17	Washwater	74,171	24	12.3	0.02	94
25		0200	0	1-17	Washwater	3,447	2	12.3	0.00	94
	0200			18-34	Washwater	37,920	22	12.3	0.01	40
26			0	18-34	Washwater	93,856	24	12.3	0.02	40
27		0500	0	18-34	Washwater	24,917	5	12.3	0.01	40
28	0800		0	1-17	Washwater	300,386	16	12.3	0.07	22
29		1400	0	1-17	Washwater	171,865	14	12.3	0.04	22
	1400			18-34	Washwater	122,761	10	12.3	0.03	30
30		2100	0	18-34	Washwater	114,411	21	12.3	0.03	30
31			0.02							
<b>Total</b>			0.02							

<sup>1</sup>Calculations and assumptions shall be documented on a separate piece of paper

<sup>2</sup>See MRP page 3, "Land Application Area" footnote 4 for calculation instructions. Calculations and assumptions shall be documented on a separate piece of paper.

Total Nitrogen Loading Rate for Month (lb/ac) <sup>3</sup>	68
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<sup>3</sup>See MRP footnote 5

**MONTHLY MONITORING REPORT**

**MONTH** August  
**YEAR** 2015

**DISCHARGER:** Morning Star Packing Company, LP and Fred Gobel  
**FACILITY:** Morning Star Tomato Packing Plant  
**COUNTY:** Colusa  
**WDRs Order:** R5-2013-0144

**LAND APPLICATION AREA MONITORING RESULTS FOR FIELD NAME**

MS6

(Submit one sheet for each field irrigated during the month)

**Field Irrigation Information**

Area (acres)	21.4
Number of Checks	29
Check Width (feet)	30
Check Length (feet)**	1,300
Irrigation Application Days	N/A
Irrigation Resting Days	N/A
Irrigation Cycle Days	N/A

\*\*Est based on Google Earth

**Crop Information**

Crop Name	Rice
Crop ET (Inches)	
Total Nitrogen Demand (lb/ac)	
Anticipated Planting Date	7/1/15
Actual Planting Date	7/14/15
Anticipated Harvest Date	15-Oct
Actual Harvest Date	
Expected Harvest Yield	4 tons/acre
Actual Harvest Yield	

**Cattle Grazing Schedule**

Number of Cattle on Field	0
Cattle Grazing Start Date	N/A
Cattle Grazing End Date	N/A
BOD Mass/Head (lb/day/head)	N/A
Nitrogen Mass/Head (lb/day/head)	N/A

Day of Month	Start Time	End Time	Precipitation (Inches)	Names of Checks Irrigated Each Day	Types of Water Applied (wastewater, cooling water, supplemental irrigation)	Estimated Flow Rate to Each Check (gpm)	Total Irrigation Hours for Each Check	Area (acres)	Total Volume of Water Applied to Each Check (inches) <sup>1</sup>	BOD Loading Rate as an Irrigation Cycle Average (lb/ac/day) <sup>2</sup>
1	0		0	1-29	Washwater	364,137	24	21.4	0.1	
2			0	1-29	Washwater	342,337	24	21.4	0.0	
3			0	1-29	Washwater	387,383	24	21.4	0.1	
4		2300	0	1-29	Washwater	301,060	23	21.4	0.0	
5			0							
6			0							
7	600		0	1-29	Washwater	249,629	18	21.4	0.0	134
8			0	1-29	Washwater	492,992	24	21.4	0.1	134
9			0	1-29	Washwater	570,765	24	21.4	0.1	134
10			0	1-29	Washwater	910,529	24	21.4	0.1	134
11			0	1-29	Washwater	719,157	24	21.4	0.1	134
12			0	1-29	Washwater	147,294	24	21.4	0.0	134
13			0	1-29	Washwater	299,561	24	21.4	0.0	134
14		1200	0	1-29	Washwater	189,143	12	21.4	0.0	134
15			0							
16			0							
17			0							
18			0							
19			0							
20			0							
21			0							
22	600		0	1-29	Washwater	1,541,992	18	21.4	0.2	195
23			0	1-29	Washwater	829,157	24	21.4	0.1	195
24			0	1-29	Washwater	129,046	24	21.4	0.0	195
25			0	1-29	Washwater	71,972	24	21.4	0.0	195
26		0600	0	1-29	Washwater	40,824	6	21.4	0.0	195
27			0							
28			0							
29			0							
30			0							
31			0.02							
<b>Total</b>			0.02							

<sup>1</sup>Calculations and assumptions shall be documented on a separate piece of paper

<sup>2</sup>See MRP page 3, "Land Application Area" footnote 4 for calculation instructions. Calculations and assumptions shall be documented on a separate piece of paper.

<b>Total Nitrogen Loading Rate for Month (lb/ac)<sup>3</sup></b>	195
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<sup>3</sup>See MRP footnote 5

**MONTHLY MONITORING REPORT**

**MONTH** August  
**YEAR** 2015

**DISCHARGER:** Morning Star Packing Company, LP and Fred Gobel  
**FACILITY:** Morning Star Tomato Packing Plant  
**COUNTY:** Colusa  
**WDRs Order:** R5-2013-0144

**LAND APPLICATION AREA MONITORING RESULTS FOR FIELD NAME**

MS11

(Submit one sheet for each field irrigated during the month)

**Field Irrigation Information**

Area (acres)	35.6
Number of Checks	32
Check Width (feet)	30
Check Length (feet)**	1,500
Irrigation Application Days	N/A
Irrigation Resting Days	N/A
Irrigation Cycle Days	N/A

**Crop Information**

Crop Name	Sudan Grass
Crop ET (Inches)	
Total Nitrogen Demand (lb/ac)	
Anticipated Planting Date	5/17/15
Actual Planting Date	5/22/15
Anticipated Harvest Date	7/15, 9/15
Actual Harvest Date	
Expected Harvest Yield	3 tons/acre
Actual Harvest Yield	

**Cattle Grazing Schedule**

Number of Cattle on Field	0
Cattle Grazing Start Date	N/A
Cattle Grazing End Date	N/A
BOD Mass/Head (lb/day/head)	N/A
Nitrogen Mass/Head (lb/day/head)	N/A

\*\*Est based on Google Earth

Day of Month	Start Time	End Time	Precipitation (Inches)	Names of Checks Irrigated Each Day	Types of Water Applied (wastewater, cooling water, supplemental irrigation)	Estimated Flow Rate to Each Check (gpm)	Total Irrigation Hours for Each Check	Area (acres)	Total Volume of Water Applied to Each Check (inches) <sup>1</sup>	BOD Loading Rate as an Irrigation Cycle Average (lb/ac/day) <sup>2</sup>
1			0	16-32	Washwater	302,880	24	17.8	0.1	16
2			0	16-32	Washwater	284,748	24	17.8	0.0	16
3		1500	0	16-32	Washwater	201,385	15	17.8	0.0	16
4	1500		0	1-32	Washwater	241,662	9	35.6	0.0	16
5			0	1-32	Washwater	522,604	24	35.6	0.0	16
6		1800	0	1-32	Washwater	583,895	24	35.6	0.1	16
7	1800		0	1-15	Washwater	393,232	18	35.6	0.0	16
8			0	1-15	Washwater	65,539	6	17.8	0.0	16
9			0	1-15	Washwater	276,847	24	17.8	0.0	16
10		2000	0	1-15	Washwater	341,716	20	17.8	0.1	16
11	2000		0	16-32	Washwater	68,343	4	17.8	0.0	199
12		2100	0	16-32	Washwater	415,405	21	17.8	0.1	199
13			0							
14	0900		0	1-32	Washwater	393,312	15	35.6	0.0	146
15			0	1-32	Washwater	192,359	24	35.6	0.0	146
16			0	1-32	Washwater	155,150	24	35.6	0.0	146
17		1200	0	1-32	Washwater	117,233	12	35.6	0.0	146
18			0							
19			0							
20			0							
21			0							
22			0							
23			0							
24			0							
25			0							
26			0							
27			0							
28			0							
29	1300		0	1-32	Washwater	390,838	11	35.6	0.0	23
30			0	1-32	Washwater	378,447	24	35.6	0.0	23
31		0600	0.02	1-32	Washwater	100,213	6	35.6	0.0	23
<b>Total</b>			0.02							

<sup>1</sup>Calculations and assumptions shall be documented on a separate piece of paper

<sup>2</sup>See MRP page 3, "Land Application Area" footnote 4 for calculation instructions. Calculations and assumptions shall be documented on a separate piece of paper.

<b>Total Nitrogen Loading Rate for Month (lb/ac)<sup>3</sup></b>	84
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<sup>3</sup>See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH 

August
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 YEAR 

2015
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DISCHARGER: Morning Star Packing Company, LP and Fred Gobel  
 FACILITY: Morning Star Tomato Packing Plant  
 COUNTY: Colusa  
 WDRs Order: R5-2013-0144

LAND APPLICATION AREA MONITORING RESULTS FOR FIELD NAME

(Submit one sheet for each field irrigated during the month)

Field Irrigation Information

Area (acres)	44.5
Number of Checks	54
Check Width (feet)	30
Check Length (feet)**	1,250
Irrigation Application Days	N/A
Irrigation Resting Days	N/A
Irrigation Cycle Days	N/A

\*\*Est based on Google Earth

MS14

Crop Information

Crop Name	Grass Hay
Crop ET (Inches)	
Total Nitrogen Demand (lb/ac)	
Anticipated Planting Date	12/1/14
Actual Planting Date	12/3/14
Anticipated Harvest Date	April/May 2015
Actual Harvest Date	8/24/15
Expected Harvest Yield	2-2.5 tons/acre
Actual Harvest Yield	2.6 tons/acre

Cattle Grazing Schedule

Number of Cattle on Field	0
Cattle Grazing Start Date	N/A
Cattle Grazing End Date	N/A
BOD Mass/Head (lb/day/head)	N/A
Nitrogen Mass/Head (lb/day/head)	N/A

Day of Month	Start Time	End Time	Precipitation (Inches)	Names of Checks Irrigated Each Day	Types of Water Applied (wastewater, cooling water, supplemental irrigation)	Estimated Flow Rate to Each Check (gpm)	Total Irrigation Hours for Each Check	Area (acres)	Total Volume of Water Applied to Each Check (Inches) <sup>1</sup>	BOD Loading Rate as an Irrigation Cycle Average (lb/ac/day) <sup>2</sup>
1			0	1-32	Washwater	440,707	24	26	0.1	15
2		0900	0	1-32	Washwater	155,372	9	25.9	0.02	15
3			0	33-55	Washwater	185,966	15	18.6	0.03	23
4			0	33-55	Washwater	336,697	24	18.6	0.06	23
5		1200	0	33-55	Washwater	273,046	24	18.6	0.05	23
6			0	1-55	Washwater	152,534	12	18.6	0.03	23
7			0	1-55	Washwater	364,935	12	44.5	0.03	95
8		0300	0	1-55	Washwater	655,387	24	44.5	0.05	95
9			0			692,116	24	44.5	0.05	95
10			0			128,143	3	44.5	0.01	95
11			0							
12			0							
13			0							
14	0600		0	1-32	Washwater	343,375	18	25.9	0.04	90
15	1800	1800	0	1-32	Washwater	104,960	18	25.9	0.01	90
16			0	33-55	Washwater	25,126	6	18.6	0.00	90
17		0600	0	33-55	Washwater	81,061	24	18.6	0.01	90
18			0	33-55	Washwater	30,625	6	18.6	0.01	90
19			0							
20			0							
21			0							
22			0							
23			0							
24			0							
25			0							
26			0							
27			0							
28			0							
29			0							
30			0							
31			0.02							
<b>Total</b>			0.02							

<sup>1</sup>Calculations and assumptions shall be documented on a separate piece of paper

<sup>2</sup>See MRP page 3, "Land Application Area" footnote 4 for calculation instructions. Calculations and assumptions shall be documented on a separate piece of paper.

Total Nitrogen Loading Rate for Month (lb/ac) <sup>3</sup>	49
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<sup>3</sup>See MRP footnote 5

**MONTHLY MONITORING REPORT**

MONTH August  
 YEAR 2015

DISCHARGER: Morning Star Packing Company, LP and Fred Gobel  
 FACILITY: Morning Star Tomato Packing Plant  
 COUNTY: Colusa  
 WDRs Order: R5-2013-0144

**LAND APPLICATION AREA MONITORING RESULTS FOR FIELD NAME**

(Submit one sheet for each field irrigated during the month)

**Field Irrigation Information**

Area (acres)	26.7
Number of Checks	40
Check Width (feet)	30
Check Length (feet)**	1,000
Irrigation Application Days	N/A
Irrigation Resting Days	N/A
Irrigation Cycle Days	N/A

\*\*Est based on Google Earth

MS15

**Crop Information**

Crop Name	Sudan
Crop ET (Inches)	
Total Nitrogen Demand (lb/ac)	
Anticipated Planting Date	5/15/15
Actual Planting Date	5/23/15
Anticipated Harvest Date	7/15, 9/15
Actual Harvest Date	7/20/15
Expected Harvest Yield	3-3.5 tons/acre
Actual Harvest Yield	0.5 tons/acre

**Cattle Grazing Schedule**

Number of Cattle on Field	0
Cattle Grazing Start Date	N/A
Cattle Grazing End Date	N/A
BOD Mass/Head (lb/day/head)	N/A
Nitrogen Mass/Head (lb/day/head)	N/A

Day of Month	Start Time	End Time	Precipitation (Inches)	Names of Checks Irrigated Each Day	Types of Water Applied (wastewater, cooling water, supplemental irrigation)	Estimated Flow Rate to Each Check (gpm)	Total Irrigation Hours for Each Check	Area (acres)	Total Volume of Water Applied to Each Check (inches) <sup>1</sup>	BOD Loading Rate as an Irrigation Cycle Average (lb/ac/day) <sup>2</sup>
1	0:00		0	20-40	Washwater	228,011	24	13.4	0.05	
2			0	20-40	Washwater	214,361	24	13.4	0.05	
3		0900	0	20-40	Washwater	90,963	9	13.4	0.02	
4			0							
5			0							
6	0100		0	1-19	Washwater	189,129	23	13.4	0.0	50
7			0	1-19	Washwater	208,413	24	13.4	0.0	50
8		0300	0	1-19	Washwater	38,587	3	13.4	0.0	50
9	0300		0	20-40	Washwater	270,109	21	13.4	0.1	64
10		0500	0	20-40	Washwater	357,395	24	13.4	0.1	64
11			0							
12			0							
13			0							
14			0							
15	0600		0	1-19	Washwater	54,304	18	13.4	0.01	71
16			0	1-19	Washwater	58,399	24	13.4	0.01	71
17		0800	0	1-19	Washwater	29,418	8	13.4	0.01	71
18	0800		0	20-40	Washwater	58,836	16	13.4	0.01	108
19		1000	0	20-40	Washwater	101,441	24	13.4	0.02	108
20			0							
21			0							
22			0							
23	0800		0	1-19	Washwater	346,128	16	13.4	0.08	23
24		1300	0	1-19	Washwater	43,769	13	13.4	0.01	23
25	1300		0	20-40	Washwater	37,035	11	13.4	0.01	51
26		0200	0	20-40	Washwater	45,067	24	13.4	0.01	51
27			0			8,521	2	13.4	0.00	51
28			0							
29			0							
30			0							
31			0.02							
<b>Total</b>			0.02							

<sup>1</sup>Calculations and assumptions shall be documented on a separate piece of paper

<sup>2</sup>See MRP page 3, "Land Application Area" footnote 4 for calculation instructions. Calculations and assumptions shall be documented on a separate piece of paper.

Total Nitrogen Loading Rate for Month (lb/ac) <sup>3</sup>	55
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<sup>3</sup>See MRP footnote 5

**MONTHLY MONITORING REPORT**

MONTH 

August
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 YEAR 

2015
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DISCHARGER: Morning Star Packing Company, LP and Fred Gobel  
 FACILITY: Morning Star Tomato Packing Plant  
 COUNTY: Colusa  
 WDRs Order: R5-2013-0144

**LAND APPLICATION AREA MONITORING RESULTS FOR FIELD NAME**

MS16

(Submit one sheet for each field irrigated during the month)

**Field Irrigation Information**

Area (acres)	36.7
Number of Checks	*42
Check Width (feet)	30
Check Length (feet)**	1,240
Irrigation Application Days	N/A
Irrigation Resting Days	N/A
Irrigation Cycle Days	N/A

**Crop Information**

Crop Name	Sudan Grass
Crop ET (Inches)	
Total Nitrogen Demand (lb/ac)	
Anticipated Planting Date	5/18/15
Actual Planting Date	5/23/15
Anticipated Harvest Date	7/15, 9/15
Actual Harvest Date	8/26/15
Expected Harvest Yield	3 tons/acre
Actual Harvest Yield	

**Cattle Grazing Schedule**

Number of Cattle on Field	0
Cattle Grazing Start Date	N/A
Cattle Grazing End Date	N/A
BOD Mass/Head (lb/day/head)	N/A
Nitrogen Mass/Head (lb/day/head)	N/A

\*Estimated & Calculated based on Google Earth with 30' checks  
 \*\*Est based on Google Earth

Day of Month	Start Time	End Time	Precipitation (Inches)	Names of Checks Irrigated Each Day	Types of Water Applied (wastewater, cooling water, supplemental irrigation)	Estimated Flow Rate to Each Check (gpm)	Total Irrigation Hours for Each Check	Area (acres)	Total Volume of Water Applied to Each Check (inches) <sup>1</sup>	BOD Loading Rate as an Irrigation Cycle Average (lb/ac/day) <sup>2</sup>
1	0		0	1-21	Washwater	313,089	24	18.4	0.1	49
2		0200	0	1-21	Washwater	24,529	2	18.4	0.0	49
				22-42	Washwater	269,817	22	18.4	0.0	18
3			0	22-42	Washwater	333,077	24	18.4	0.1	18
4		0400	0	22-42	Washwater	45,018	4	18.4	0.0	18
				1-42	Washwater	448,960	20	36.7	0.0	60
5			0	1-42	Washwater	601,937	24	36.7	0.1	60
6			0	1-42	Washwater	540,510	24	36.7	0.0	60
7		0700	0	1-42	Washwater	166,484	7	36.7	0.0	60
8			0							
9			0							
10			0							
11	0600		0	1-21	Washwater	463,755	18	18.4	0.1	134
12			0	1-21	Washwater	126,645	24	18.4	0.02	134
13		0800	0	1-21	Washwater	85,855	8	18.4	0.01	134
				22-42	Washwater	171,711	16	18.4	0.03	104
14	0800		0	22-42	Washwater	325,256	24	18.4	0.05	104
15		1000	0	22-42	Washwater	41,426	10	18.4	0.01	104
16			0							
17			0							
18			0							
19			0							
20			0							
21			0							
22			0							
23			0							
24			0							
25			0							
26			0							
27			0							
28			0							
29			0							
30			0							
31			0.02							
<b>Total</b>			0.02							

<sup>1</sup>Calculations and assumptions shall be documented on a separate piece of paper

<sup>2</sup>See MRP page 3, "Land Application Area" footnote 4 for calculation instructions. Calculations and assumptions shall be documented on a separate piece of paper.

**Total Nitrogen Loading Rate for Month (lb/ac)<sup>3</sup>** 59

<sup>3</sup>See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH 

August
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 YEAR 

2015
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DISCHARGER: Morning Star Packing Company, LP and Fred Gobel  
 FACILITY: Morning Star Tomato Packing Plant  
 COUNTY: Colusa  
 WDRs Order: R5-2013-0144

LAND APPLICATION AREA MONITORING RESULTS FOR FIELD NAME

MS18a

(Submit one sheet for each field irrigated during the month)

Field Irrigation Information

Area (acres)	39.1
Number of Checks*	42
Check Width (feet)	30
Check Length (feet)**	1,300
Irrigation Application Days	N/A
Irrigation Resting Days	N/A
Irrigation Cycle Days	N/A

Crop Information

Crop Name	Sudan Grass
Crop ET (Inches)	
Total Nitrogen Demand (lb/ac)	
Anticipated Planting Date	5/18/15
Actual Planting Date	5/25/15
Anticipated Harvest Date	7/20, 9/20
Actual Harvest Date	7/28/15
Expected Harvest Yield	3 tons/acre
Actual Harvest Yield	2.4 tons/acre

Cattle Grazing Schedule

Number of Cattle on Field	0
Cattle Grazing Start Date	N/A
Cattle Grazing End Date	N/A
BOD Mass/Head (lb/day/head)	N/A
Nitrogen Mass/Head (lb/day/head)	N/A

\*Estimated & Calculated based on Google Earth with 30' checks  
 \*\*Est based on Google Earth

Day of Month	Start Time	End Time	Precipitation (Inches)	Names of Checks Irrigated Each Day	Types of Water Applied (wastewater, cooling water, supplemental irrigation)	Estimated Flow Rate to Each Check (gpm)	Total Irrigation Hours for Each Check	Area (acres)	Total Volume of Water Applied to Each Check (inches) <sup>1</sup>	BOD Loading Rate as an Irrigation Cycle Average (lb/ac/day) <sup>2</sup>
1			0							
2			0							
3			0							
4			0							
5			0							
6			0							
7	0600		0	1-24	Washwater	260,127	18	22.3	0.04	10
8			0	1-24	Washwater	513,725	24	22.3	0.07	10
9		0800	0	1-24	Washwater	198,256	8	22.3	0.03	10
10	0800		0	25-42	Washwater	298,718	16	16.8	0.05	6
11		1000	0	25-42	Washwater	595,673	20	16.8	0.11	6
12			0	25-42	Washwater	235,238	10	16.8	0.04	6
13			0							
14	0600		0	1-24	Washwater	295,647	18	22.3	0.04	122
15			0	1-24	Washwater	120,495	24	22.3	0.02	122
16		0800	0	1-24	Washwater	32,396	8	22.3	0.00	122
17	0800		0	25-42	Washwater	48,811	16	16.8	0.01	147
18		1000	0	25-42	Washwater	110,647	24	16.8	0.02	147
19			0	25-42	Washwater	52,992	10	16.8	0.01	147
20			0							
21			0							
22			0							
23	0800		0	1-24	Washwater	576,018	16	22.3	0.08	39
24		1200	0	1-24	Washwater	67,237	12	22.3	0.01	39
25	1200		0	25-42	Washwater	50,654	12	16.8	0.01	22
26		2100	0	25-42	Washwater	49,439	21	16.8	0.01	22
27			0							
28	0200		0	1-24	Washwater	748,829	22	22	0.1	82
29		1500	0	1-24	Washwater	333,849	15	22	0.0	82
30	1500		0	25-42	Washwater	150,906	9	17	0.0	14
31		2000	0	25-42	Washwater	148,828	20	17	0.0	14
			0.02							
<b>Total</b>			0.02							

<sup>1</sup>Calculations and assumptions shall be documented on a separate piece of paper

<sup>2</sup>See MRP page 3, "Land Application Area" footnote 4 for calculation instructions. Calculations and assumptions shall be documented on a separate piece of paper.

Total Nitrogen Loading Rate for Month (lb/ac) <sup>3</sup>	69
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<sup>3</sup>See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH August  
 YEAR 2015

DISCHARGER: Morning Star Packing Company, LP and Fred Gobel  
 FACILITY: Morning Star Tomato Packing Plant  
 COUNTY: Colusa  
 WDRs Order: R5-2013-0144

LAND APPLICATION AREA MONITORING RESULTS FOR FIELD NAME

MS18b

(Submit one sheet for each field irrigated during the month)

Field Irrigation Information

Area (acres)	39.1
Number of Checks*	43
Check Width (feet)	30
Check Length (feet)**	1,300
Irrigation Application Days	N/A
Irrigation Resting Days	N/A
Irrigation Cycle Days	N/A

\*Estimated & Calculated based on Google Earth with 30' checks  
 \*\*Est based on Google Earth

Crop Information

Crop Name	Sudan Grass
Crop ET (Inches)	
Total Nitrogen Demand (lb/ac)	
Anticipated Planting Date	5/18/15
Actual Planting Date	5/25/15
Anticipated Harvest Date	7/20, 9/20
Actual Harvest Date	8/4/15
Expected Harvest Yield	3 tons/acre
Actual Harvest Yield	2.4 tons/acre

Cattle Grazing Schedule

Number of Cattle on Field	0
Cattle Grazing Start Date	N/A
Cattle Grazing End Date	N/A
BOD Mass/Head (lb/day/head)	N/A
Nitrogen Mass/Head (lb/day/head)	N/A

Day of Month	Start Time	End Time	Precipitation (Inches)	Names of Checks Irrigated Each Day	Types of Water Applied (wastewater, cooling water, supplemental irrigation)	Estimated Flow Rate to Each Check (gpm)	Total Irrigation Hours for Each Check	Area (acres)	Total Volume of Water Applied to Each Check (inches) <sup>1</sup>	BOD Loading Rate as an Irrigation Cycle Average (lb/ac/day) <sup>2</sup>
1			0							
2			0							
3			0							
4			0							
5			0							
6			0							
7			0							
8			0							
9			0							
10			0							
11			0							
12			0							
13			0							
14	0600		0	1-24	Washwater	295,647	18	22.3	0.04	4
15			0	1-24	Washwater	120,495	24	22.3	0.02	4
16			0	1-24	Washwater	97,187	24	22.3	0.01	4
17		0800	0	1-24	Washwater	48,957	8	22.3	0.01	4
18	0800		0	25-43	Washwater	73,765	16	16.8	0.01	2
19			0	25-43	Washwater	127,180	24	16.8	0.02	2
20		1000	0	25-43	Washwater	537,522	24	16.8	0.10	2
21			0							
22			0							
23			0							
24			0							
25	2100		0	1-24	Washwater	65,624	21	22.3	0.01	40
26		1900	0	1-24	Washwater	134,712	19	22.3	0.02	40
27	1900		0	25-43	Washwater	26,707	5	16.8	0.00	91
28		0100	0	25-43	Washwater	163,357	24	16.8	0.03	91
29			0							
30	2000		0	1-24	Washwater	39,510	4	22	0.0	25
31		2100	0.02	1-24	Washwater	219,708	21	22	0.0	25
	2100	12:00 AM		25-43	Washwater	23,646	3	17	0.0	30
<b>Total</b>			0.02							

<sup>1</sup>Calculations and assumptions shall be documented on a separate piece of paper

<sup>2</sup>See MRP page 3, "Land Application Area" footnote 4 for calculation instructions. Calculations and assumptions shall be documented on a separate piece of paper.

Total Nitrogen Loading Rate for Month (lb/ac)<sup>3</sup> 33

<sup>3</sup>See MRP footnote 5

**MONTHLY MONITORING REPORT**

MONTH August  
 YEAR 2015

DISCHARGER: Morning Star Packing Company, LP and Fred Gobel  
 FACILITY: Morning Star Tomato Packing Plant  
 COUNTY: Colusa  
 WDRs Order: R5-2013-0144

**LAND APPLICATION AREA MONITORING RESULTS FOR FIELD NAME**

MS24

(Submit one sheet for each field irrigated during the month)

**Field Irrigation Information**

Area (acres)	135
Number of Checks*	44
Check Width (feet)	30
Check Length (feet)**	1,300
Irrigation Application Days	N/A
Irrigation Resting Days	N/A
Irrigation Cycle Days	N/A

\*Estimated & Calculated based on Google Earth with 30' checks  
 \*\*Est based on Google Earth

**Crop Information**

Crop Name	Sudan
Crop ET (Inches)	
Total Nitrogen Demand (lb/ac)	
Anticipated Planting Date	8/1/15
Actual Planting Date	14-Aug
Anticipated Harvest Date	15-Oct
Actual Harvest Date	
Expected Harvest Yield	3 tons/acre
Actual Harvest Yield	

**Cattle Grazing Schedule**

Number of Cattle on Field	0
Cattle Grazing Start Date	N/A
Cattle Grazing End Date	N/A
BOD Mass/Head (lb/day/head)	N/A
Nitrogen Mass/Head (lb/day/head)	N/A

Day of Month	Start Time	End Time	Precipitation (Inches)	Names of Checks Irrigated Each Day	Types of Water Applied (wastewater, cooling water, supplemental irrigation)	Estimated Flow Rate to Each Check (gpm)	Total Irrigation Hours for Each Check	Area (acres)	Total Volume of Water Applied to Each Check (inches) <sup>1</sup>	BOD Loading Rate as an Irrigation Cycle Average (lb/ac/day) <sup>2</sup>
1			0							
2			0							
3			0							
4			0							
5			0							
6			0							
7			0							
8			0							
9			0							
10			0							
11			0							
12	0		0	All	Washwater	1,368,000	24	135	0.03	
13		2400	0	All	Washwater	1,368,000	24	135	0.03	
14			0							
15	0		0	All	Washwater	1,368,000	24	135	0.03	118
16			0	All	Washwater	1,368,000	24	135	0.03	118
17			0	All	Washwater	1,368,000	24	135	0.03	118
18		2400	0	All	Washwater	1,368,000	24	135	0.03	118
19			0							
20			0							
21	0	2400	0	All	Washwater	1,368,000	24	135	0.03	118
22			0							
23			0							
24	0		0	All	Washwater	1,368,000	24	135	0.03	48
25			0	All	Washwater	1,368,000	24	135	0.03	48
26			0	All	Washwater	1,368,000	24	135	0.03	48
27		2400	0	All	Washwater	1,368,000	24	135	0.03	48
28			0							
29			0							
30	600		0	All	Washwater	1,026,000	18	135	0.02	78
31		2400	0.02	All	Washwater	1,368,000	24	135	0.03	78
<b>Total</b>			0.02							

<sup>1</sup>Calculations and assumptions shall be documented on a separate piece of paper

<sup>2</sup>See MRP page 3, "Land Application Area" footnote 4 for calculation instructions. Calculations and assumptions shall be documented on a separate piece of paper.

Total Nitrogen Loading Rate for Month (lb/ac) <sup>3</sup>	71
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<sup>3</sup>See MRP footnote 5

**MONTHLY MONITORING REPORT**

**MONTH**  
**YEAR**

August
2015

**DISCHARGER:** Moring Star Packing Company, LP and Fred Gobel  
**FACILITY:** Morning Star Tomato Packing Plant  
**COUNTY:** Colusa  
**WDRs Order** R5-2013-0144

**LAND APPLICATION AREA MONITORING TOTAL NITROGEN LOADING RESULTS**

LAA Field	Gebel	MS 1	MS 2	MS 3	MS 5	MS 6	MS 11	MS 14	MS 15	MS 16	MS 18a	MS 18b	MS 24
Acres of LAA Irrigated													
Total Nitrogen Loading from Wastewater (lbs/ac/month)			111	107	121	265	118	145	68	126	104	90	240
Total Nitrogen Loading Rate from Settling Pond Solids (lbs/ac/month)													9.2
Total Nitrogen Loading Rate from Cooling Pond Solids (lbs/ac/month)													
Total Nitrogen Loading Rate from Residual Solids (lbs/ac/month)													19.4
Total Nitrogen Loading Rate from Cattle/ Manure (lbs/ac/month)													
Total Nitrogen Loading Rate from Commercial Fertilizers (lbs/ac/month)													
Cumulative Annual Total Nitrogen Value (lbs/ac/year)													
Annual Crop Demand (lbs/ac/year)													

# **Attachment F**

DISCHARGER: Morning Star Packing Company, LP and Fred Gobel  
FACILITY: Morning Star Tomato Packing Plant  
COUNTY: Colusa  
WDRs Order: R5-2013-0144

MONTHLY MONITORING REPORT

MONTH August  
YEAR 2015

LAND APPLICATION AREA WASTEWATER INSPECTION MONITORING

Field No. MS Technician J. Young  
Date 8/6/15 Weather

- 1. Any evidence of erosion: yes/no no
- 2. Berm Condition: good
- 3. Standpipe and flow control valve condition N/A
- 4. Are the valves being used properly: yes/no yes
- 5. Is there any soil saturation: yes/no no
- 6. Is there any ponding: yes/no no
- 7. Is there any potential runoff to offsite areas: yes/no no
- 8. Is there any potential and actual discharge to surface water: yes/no no
- 9. Are there any accumulation of organic solids at soil surface: yes/no no
- 10. Is there any soil clogging: yes/no no
- 11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes/no no
- 12. Are there any insects: yes/no no
- 13. Temperature and wind direction/strength \_\_\_\_\_
- 14. Other observations Crops look good

At least once per week when wastewater is being applied to the land application areas, the application areas in use shall be inspected to identify any equipment malfunction or other circumstance that might allow wastewater or irrigation runoff to leave each LAA and/or create conditions that violate the Waste Discharge Requirements. A log of these inspections shall be kept at the facility and summarized for submittal with the monthly monitoring reports.

In accordance with Section A.5 of the Monitoring Report, please attach a current site plan depicting the irrigation checks within each LAA field that will be used during the calendar year, including all water conveyance ditches and internal berms that divide each LAA (where applicable).

DISCHARGER: Morning Star Packing Company, LP and Fred Gobel  
FACILITY: Morning Star Tomato Packing Plant  
COUNTY: Colusa  
WDRs Order: R5-2013-0144

MONTHLY MONITORING REPORT

MONTH August  
YEAR 2015

LAND APPLICATION AREA WASTEWATER INSPECTION MONITORING

Field No. MS Technician J. Young  
Date 8/13/15 Weather

- 1. Any evidence of erosion: yes/no no
- 2. Berm Condition: good
- 3. Standpipe and flow control valve condition N/A
- 4. Are the valves being used properly: yes/no yes
- 5. Is there any soil saturation: yes/no no
- 6. Is there any ponding: yes/no no
- 7. Is there any potential runoff to offsite areas: yes/no no
- 8. Is there any potential and actual discharge to surface water: yes/no no
- 9. Are there any accumulation of organic solids at soil surface: yes/no no
- 10. Is there any soil clogging: yes/no no
- 11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes/no no
- 12. Are there any insects: yes/no no
- 13. Temperature and wind direction/strength \_\_\_\_\_
- 14. Other observations GRPS growing good

At least once per week when wastewater is being applied to the land application areas, the application areas in use shall be inspected to identify any equipment malfunction or other circumstance that might allow wastewater or irrigation runoff to leave each LAA and/or create conditions that violate the Waste Discharge Requirements. A log of these inspections shall be kept at the facility and summarized for submittal with the monthly monitoring reports.

In accordance with Section A.5 of the Monitoring Report, please attach a current site plan depicting the irrigation checks within each LAA field that will be used during the calendar year, including all water conveyance ditches and internal berms that divide each LAA (where applicable).

DISCHARGER: Morning Star Packing Company, LP and Fred Gobel  
FACILITY: Morning Star Tomato Packing Plant  
COUNTY: Colusa  
WDRs Order: R5-2013-0144

MONTHLY MONITORING REPORT

MONTH August  
YEAR 2015

LAND APPLICATION AREA WASTEWATER INSPECTION MONITORING

Field No. MS Technician J. Young  
Date 8/20/15 Weather Partly Cloudy

- 1. Any evidence of erosion: yes/no NO
- 2. Berm Condition: good
- 3. Standpipe and flow control valve condition N/A
- 4. Are the valves being used properly: yes/no Yes
- 5. Is there any soil saturation: yes/no ~~yes~~ NO
- 6. Is there any ponding: yes/no NO
- 7. Is there any potential runoff to offsite areas: yes/no NO
- 8. Is there any potential and actual discharge to surface water: yes/no NO
- 9. Are there any accumulation of organic solids at soil surface: yes/no Yes, removing
- 10. Is there any soil clogging: yes/no NO
- 11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes/no NO
- 12. Are there any insects: yes/no NO
- 13. Temperature and wind direction/strength 64°F Partly Cloudy wind 2mph @ NE
- 14. Other observations Crops are growing good / Board was here today

At least once per week when wastewater is being applied to the land application areas, the application areas in use shall be inspected to identify any equipment malfunction or other circumstance that might allow wastewater or irrigation runoff to leave each LAA and/or create conditions that violate the Waste Discharge Requirements. A log of these inspections shall be kept at the facility and summarized for submittal with the monthly monitoring reports.

In accordance with Section A.5 of the Monitoring Report, please attach a current site plan depicting the irrigation checks within each LAA field that will be used during the calendar year, including all water conveyance ditches and internal berms that divide each LAA (where applicable).

DISCHARGER: Morning Star Packing Company, LP and Fred Gobel  
FACILITY: Morning Star Tomato Packing Plant  
COUNTY: Colusa  
WDRs Order: R5-2013-0144

MONTHLY MONITORING REPORT

MONTH August  
YEAR 2015

LAND APPLICATION AREA WASTEWATER INSPECTION MONITORING

Field No. Morning Star Technician Carlos R  
Date 8-27-15 Weather sunny hot

1. Any evidence of erosion: yes/no no
2. Berm Condition: good conditions
3. Standpipe and flow control valve condition N/A
4. Are the valves being used properly: yes/no yes
5. Is there any soil saturation: yes/no no
6. Is there any ponding: yes/no no
7. Is there any potential runoff to offsite areas: yes/no no
8. Is there any potential and actual discharge to surface water: yes/no no
9. Are there any accumulation of organic solids at soil surface: yes/no yes we are removing
10. Is there any soil clogging: yes/no no
11. Are there any odors that have the potential to be objectionable at or beyond the property boundary:  
yes/no slight odors near fields being irrigated
12. Are there any insects: yes/no no
- \* 13. Temperature and wind direction/strength 97° - 6 mph - E-S-E
14. Other observations crops growing good

At least once per week when wastewater is being applied to the land application areas, the application areas in use shall be inspected to identify any equipment malfunction or other circumstance that might allow wastewater or irrigation runoff to leave each LAA and/or create conditions that violate the Waste Discharge Requirements. A log of these inspections shall be kept at the facility and summarized for submittal with the monthly monitoring reports.

In accordance with Section A.5 of the Monitoring Report, please attach a current site plan depicting the irrigation checks within each LAA field that will be used during the calendar year, including all water conveyance ditches and internal berms that divide each LAA (where applicable).

# **Attachment G**

**DISCHARGER:** Morning Star Packing Company, LP and Fred Gobel  
**FACILITY:** Morning Star Tomato Packing Plant  
**COUNTY:** Colusa  
**WDRs Order** R5-2013-0144

**MONTHLY MONITORING REPORT**

**MONTH**

August
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**YEAR**

2015
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**RESIDUAL SOLIDS MONITORING :**

Date	Type of Solids Generated	Volume of Solids Generated (tons) <sup>1</sup>	Volume of Solids Disposed of Offsite (tons)	Offsite Solids Disposal Location <sup>2</sup>	Volume of Solids Disposed of Onsite (tons)	Onsite Solids Disposal Location <sup>3</sup>
August	Pomace	22,695,600			300 tons of pomace	MS24, spread/incorp.
August	Wet Waste	21,932,006			300 tons of wet waste	MS24, spread/incorp.

<sup>1</sup>Volume of Solids Generated. Solids may include pomace, seeds, stems, diatomaceous earth, screenings, pond solids, and sump solids, or other material.

<sup>2</sup>Volume Disposed of Off-site. Describe the disposal method (e.g. animal feed, land application, off-site composting, landfill, etc.) and the name of the hauling company.

<sup>3</sup>Volume Disposed of On-site; location of on-site disposal (e.g. land application area field); method of application, spreading, and incorporation; application rate (tons/acre), and results from weekly grab sample analysis for total nitrogen.

**Solids used in onsite animal feed process. Will be sold.**

# **Attachment H**

DISCHARGE Morning Star Packing Company, LP and Fred Gobel  
 FACILITY: Morning Star Tomato Packing Plant  
 COUNTY: Colusa  
 WDRs Order R5-2013-0144

MONTHLY MONITORING REPORT : No water in pond

MONTH 

August
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 YEAR 

2015
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FIELD INSTRUMENT CALIBRATION LOG

Monitoring Week	Date	Time	Lower Standard pH Buffer	Lower Standard Stabilized pH	Lower pH Standard Calibrated pH	Upper Standard pH Buffer	Upper Standard Stabilized pH	Upper Standard Calibrated pH	DO Initial Reading	Electrolyte Solution Added	DO Reading after Calibration	Technican's Initials
Week 1	8/6/15	7:15	4.0	3.7	4.0	10.0	9.8	10.0	2.3	N/A	N/A	J.I.
Week 2												
Week 3												
Week 4	8/24/15 8/25/15	8:40 8:20	4.0 4.0	3.9 3.9	N/A N/A	10.0 10.0	10.1 10.1	N/A N/A				J.I.
Week 5												

If either calibrated pH value is more than 0.2 higher or lower than its corresponding pH buffer value, recalibrate the meter before using it in the field.



# INSTRUMENT CALIBRATION REPORT

Aqua Sierra Controls, Inc.  
 1650 Industrial Drive  
 Auburn, CA 95603  
 Phone (800) 649-4287  
 Fax (530) 823-3475  
 service@aquasierra.com

**Attn:** JAMES BRISCOE  
**MORNING STAR PACKING COMPANY**  
 2211 OLD HIGHWAY 99  
 WILLIAMS, CA 95987

**Instrument ID** 01  
**Description** FLOW METER

**Serial Number** AU022588  
**Model Number** U SONIC R

**Calibrated** 5/29/2015  
**Scheduled** 5/29/2016  
**Calibration ID** 23780  
**Certificate #** 01  
**Equipment ID**

**Department**  
**Manufacturer** DREXEL BROOK  
**Calibration Type** SCHEDULED  
**Location** SETTLING POND  
**Building** OUTSIDE

### Calibration Specifications

Stated Accy Pct of Reading

<u>In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Error %</u>	<u>Lft As</u>	<u>Error %</u>
0.00	FEET H2O	0.00	GPM	0.00	0.00%	0.00	0.00%
0.20	FEET H2O	334.20	GPM	338.40	1.26%	338.40	1.26%
0.54	FEET H2O	1483.00	GPM	1,471.00	-0.81%	1,471.00	-0.81%
0.71	FEET H2O	2235.00	GPM	2,268.00	1.48%	2,268.00	1.48%
0.87	FEET H2O	3032.00	GPM	3,047.00	0.49%	3,047.00	0.49%

### Test Instruments Used During the Calibration

<u>Test Instrument ID</u>	<u>Description</u>	<u>Manufacturer</u>	<u>Model Number</u>	<u>Serial Number</u>
135	Ultrasonic Calibration Stand	ASC	1076-10	ASC-03-JOHN

### Notes about this calibration

3' RECTANGULAR WEIR  
 ZERO DISTANCE = 33.3", ZERO DISTANCE MAY CHANGE, CUSTOMER SETS WHEN FLOW AVERAGES.  
 VERIFIED LEVEL READING AT WEIR.  
 NO TOTALIZER, RATE ONLY.

**Calibration Result** Calibration Successful

**Who Calibrated** JOHN TURNER



# INSTRUMENT CALIBRATION REPORT

Aqua Sierra Controls, Inc.  
 1650 Industrial Drive  
 Auburn, CA 95603  
 Phone (800) 649-4287  
 Fax (530) 823-3475  
 service@aquasierra.com

**Attn:** JAMES BRISCOE  
**MORNING STAR PACKING COMPANY**  
 2211 OLD HIGHWAY 99  
 WILLIAMS, CA 95987

**Instrument ID** 02  
**Description** FLOW METER

**Serial Number** A1J000210  
**Model Number** U SONIC R

**Calibrated** 5/29/2015  
**Scheduled** 5/29/2016  
**Calibration ID** 23781  
**Certificate #** 02  
**Equipment ID**

**Department**  
**Manufacturer** DREXEL BROOK  
**Calibration Type** SCHEDULED  
**Location** COOLING POND  
**Building** OUTSIDE

### Calibration Specifications

Stated Accy		Pct of Reading					
<u>In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Error %</u>	<u>Lft As</u>	<u>Error %</u>
0.00	FEET H2O	0.00	GPM	0.00	0.00%	0.00	0.00%
0.22	FEET H2O	301.70	GPM	298.00	-1.23%	298.00	-1.23%
0.41	FEET H2O	752.80	GPM	749.00	-0.50%	749.00	-0.50%
0.55	FEET H2O	1153.00	GPM	1,169.00	1.39%	1,169.00	1.39%
0.67	FEET H2O	1530.00	GPM	1,524.00	-0.39%	1,524.00	-0.39%

### Test Instruments Used During the Calibration

<u>Test Instrument ID</u>	<u>Description</u>	<u>Manufacturer</u>	<u>Model Number</u>	<u>Serial Number</u>
135	Ultrasonic Calibration Stand	ASC	1076-10	ASC-03-JOHN

### Notes about this calibration

2' RECTANGULAR WEIR WITH END CONTRACTIONS  
 ZERO DISTANCE = 32.6" OR 2.72'  
 ZERO DISTANCE SET BY CUSTOMER  
 NEW TRANSDUCER  
 CHANNEL #2

**Calibration Result** Calibration Successful

**Who Calibrated** JOHN TURNER



# INSTRUMENT CALIBRATION REPORT

Aqua Sierra Controls, Inc.  
 1650 Industrial Drive  
 Auburn, CA 95603  
 Phone (800) 649-4287  
 Fax (530) 823-3475  
 service@aquasierra.com

**Attn:** JAMES BRISCOE  
**MORNING STAR PACKING COMPANY**  
 2211 OLD HIGHWAY 99  
 WILLIAMS, CA 95987

**Instrument ID** 03  
**Description** FLOW METER

**Serial Number** A1J000210  
**Model Number** U SONIC R

**Calibrated** 5/29/2015  
**Scheduled** 5/29/2016  
**Calibration ID** 23782  
**Certificate #** 03  
**Equipment ID**

**Department**  
**Manufacturer** DREXEL BROOK  
**Calibration Type** SCHEDULED  
**Location** MAIN DITCH  
**Building** OUTSIDE

<u>Calibration Specifications</u>							
Stated Accy		Pct of Reading					
<u>In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Error %</u>	<u>Lft As</u>	<u>Error %</u>
0.00	FEET H2O	0.00	GPM	0.00	0.00%	0.00	0.00%
0.20	FEET H2O	334.20	GPM	339.00	1.44%	339.00	1.44%
0.54	FEET H2O	1483.00	GPM	1,476.00	-0.47%	1,476.00	-0.47%
0.71	FEET H2O	2235.00	GPM	2,229.00	-0.27%	2,229.00	-0.27%
0.87	FEET H2O	3032.00	GPM	3,045.00	0.43%	3,045.00	0.43%

<u>Test Instruments Used During the Calibration</u>				
<u>Test Instrument ID</u>	<u>Description</u>	<u>Manufacturer</u>	<u>Model Number</u>	<u>Serial Number</u>
135	Ultrasonic Calibration Stand	ASC	1076-10	ASC-03-JOHN

**Notes about this calibration**  
 2.5' RECTANGULAR WEIR  
 CHANNEL #1  
 VERIFIED LEVEL READING AT WEIR  
 ZERO DISTANCE MEASURED AT 3.13'  
 ZERO DISTANCE IS SET BY CUSTOMER.  
 NO TOTALIZER

**Calibration Result** Calibration Successful  
**Who Calibrated** JOHN TURNER