

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 SEPTEMBER
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.

- The violations were: (add extra pages as needed) BOD LOADING AND DISSOLVED OXYGEN.
- 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: [Handwritten Signature] Phone: (530) 666-6600
Printed Name: ROSS OLIVEIRA Date: 10/31/15



THE MORNING STAR PACKING COMPANY

724 Main Street, Woodland CA 95695

1 November 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 September 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 September 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 September 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	140,669,764	
Station 2: Cooling Pond	0	
Total Washwater Discharge	140,669,764	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 September 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 September 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 September 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), MS5 (3 Days), MS14 (20 days), MS15 (5 days), MS16 (8 days), MS18a (2 days) and MS18b (2 days).

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

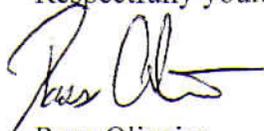
If requested, The Morning Star Packing Company – Williams will mail out the laboratory analytical reports.

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

The calibration logs for September 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

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

MONTH

September

YEAR

2015

POND MONITORING RESULTS: No water in pond

Monitoring Location	Monitoring Week	Monitoring Date	Monitoring Time	Dissolved Oxygen ¹ (mg/L)	pH	Freeboard (0.1 feet)	Odors ³	Monthly Pond Berm/Leeve Condition ⁴	Technician's Initials	Notes
Settling Pond	Week 1	9/3/15	7:30am	D-1.1 , G-1.0	4.41	3.5	Slight	Good	C.R.	
	Week 2	9/10/15	8:00am	D-0.6 , G-1.0	4.24	2.7	Slight	Good	C.R.	Lab DO - 1.03
	Week 3	9/17/15	7:30am	D-0.4 , G-0.3	5.1	2.6	Slight	Good	C.R.	Lab DO - 1.21
	Week 4	9/24/15	8:00am	D-0.3 , G-0.6	4.8	2.6	Slight	Good	C.R.	Lab DO - 1.31
	Week 5									
Cooling Pond	Week 1	9/3/15	8:00am	D-2.1 , G-3.1	7.0	2.8	Slight	Good	C.R.	
	Week 2	9/10/15	8:30am	D-0.4 , G-1.4	6.8	2.8	Slight	Good	C.R.	Lab DO - 1.44
	Week 3	9/17/15	7:00am	D-0.5 , G-1.3	7.0	2.7	Slight	Good	C.R.	Lab DO - 2.41
	Week 4	9/24/15	8:30am	D-0.4 , G-0.9	7.3	2.4	Slight	Good	C.R.	Lab DO - 1.97
	Week 5									

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

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

²Freeboard shall be measured to the nearest 0.1 foot from staff gauge.

³Odors shall be reported as (none, slight, moderate, strong)

⁴If a pond berm/leeve condition 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

MONTH
YEAR

COUNTY: Colusa
WDRs Order: R5-2013-0144

FLOW MONITORING RESULTS :

Monitoring Date (Day of Month)	Flow Source					
	Supplemental GCID 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)	Names of LAAs Irrigated	Station 3 - Total Discharge to LAAs (inches)
1	0	1,159,154	0	0	-	0
2	0	1,185,120	0	0	-	0
3	0	1,720,800	0	0	-	0
4	0	1,864,841	0	0	-	0
5	0	1,949,998	0	0	-	0
6	0	2,396,336	0	0	-	0
7	0	2,347,834	0	0	-	0
8	0	2,221,489	0	0	-	0
9	0	2,065,861	0	0	-	0
10	0	1,757,169	0	0	-	0
11	0	1,890,684	0	0	-	0
12	0	1,774,641	0	0	-	0
13	0	1,862,585	0	0	-	0
14	0	1,813,385	0	0	-	0
15	0	1,651,225	0	0	-	0
16	0	1,620,553	0	0	-	0
17	0	1,816,861	0	0	-	0
18	0	1,650,363	0	0	-	0
19	0	1,919,882	0	0	-	0
20	0	1,800,989	0	0	-	0
21	0	1,621,634	0	0	-	0
22	0	1,568,327	0	0	-	0
23	0	1,810,174	0	0	-	0
24	0	1,797,045	0	0	-	0
25	0	1,780,706	0	0	-	0
26	0	1,350,013	0	0	-	0
27	0	830,451	0	0	-	0
28	0	1,586,086	0	0	-	0
29	0	1,540,605	0	0	-	0
30	0	464,787	0	0	-	0
Total Monthly Flow (MG)	0	50,819,596	0	0		0
Average Daily Flow (MGD)	0	1,693,987	0	0		0
Cumulative Annual Flow to Date (MG)	36,360,000	140,669,764	0	0		0

Attachment C

MONTHLY MONITORING REPORT

DISCHARGER: Morning Star Packing Company, LP and Fred Gobel

FACILITY: Morning Star Tomato Packing Plant

MONTH

September

COUNTY: Colusa

YEAR

2015

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) ¹	Total Nitrogen (mg/L)	3-Sample Average Total Nitrogen (mg/L) ¹	FDS (mg/L)
Second to Last Week of Previous Month	8/20/15	1120		46		570
Last Week of Previous Month	8/27/15	1480		56		590
Week 1 of Current Month	9/3/15	1410	1337	61	54	680
Week 2 of Current Month	9/10/15	4400	2430	130	82	790
Week 3 of Current Month	9/17/15	1200	2337	57	83	660
Week 4 of Current Month	9/24/15	1200	2267	57	81	660
Week 5 of Current Month						

¹ 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.

Average BOD Concentration (mg/L) ¹	2053
Average Monthly Total Nitrogen Concentration (mg/L) ²	76
Monthly Average FDS Concentration (mg/L)	698
Flow Weighted Average FDS Concentration to Date (mg/L) ³	622

¹See MRP Reporting Section A.4.

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

³Calculated 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.

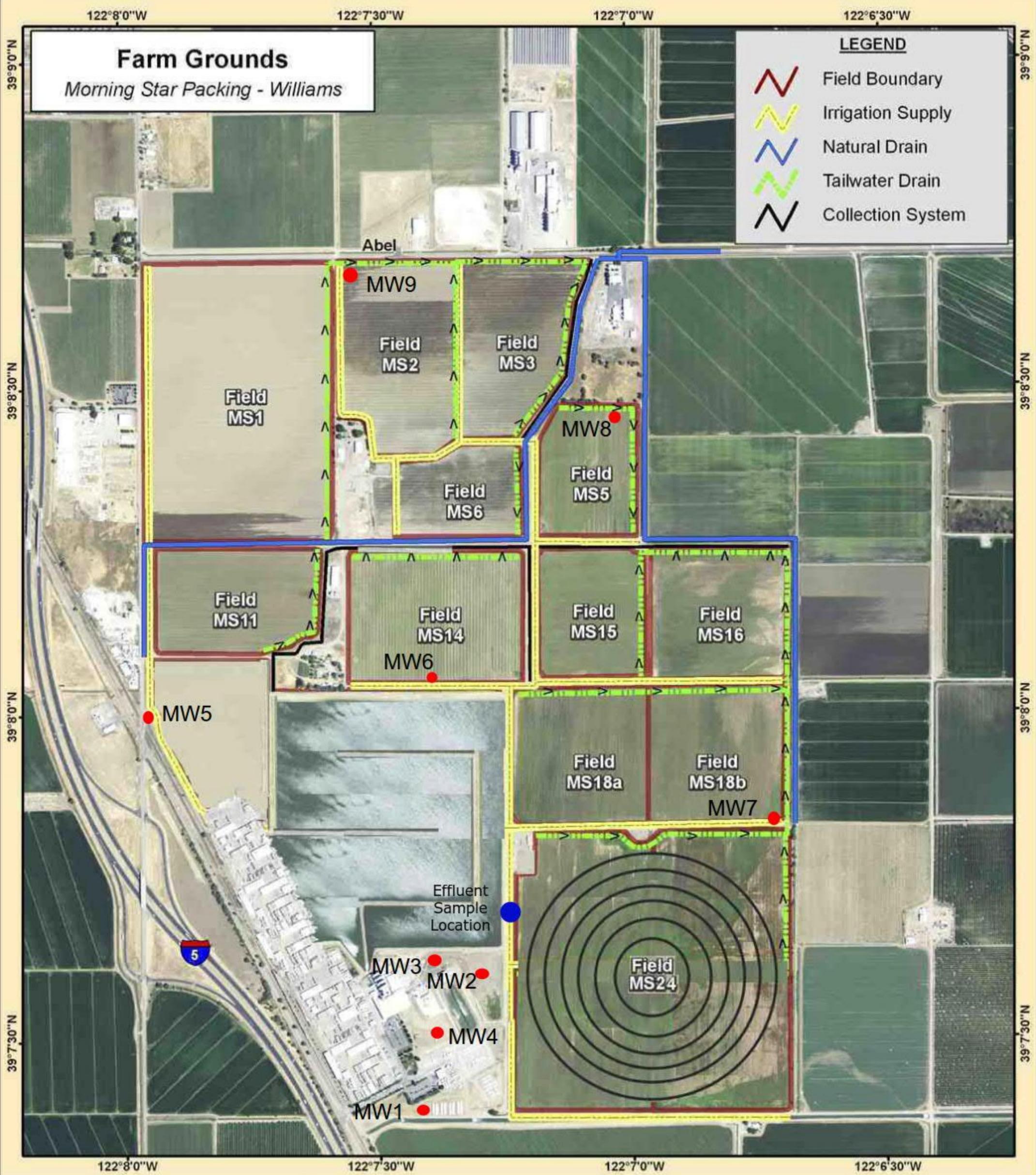
Attachment D

Farm Grounds

Morning Star Packing - Williams

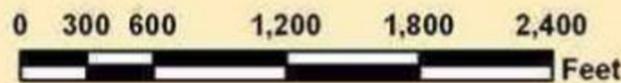
LEGEND

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



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

122°7'30"W

122°7'20"W

Abel

LEGEND

-  Tarp 7 (6 checks)
-  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

39°8'40"N

39°8'30"N

39°8'40"N

39°8'30"N

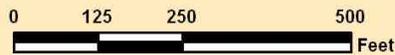
122°7'30"W

122°7'20"W



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 1:3,000 1 Inch = 250 Feet



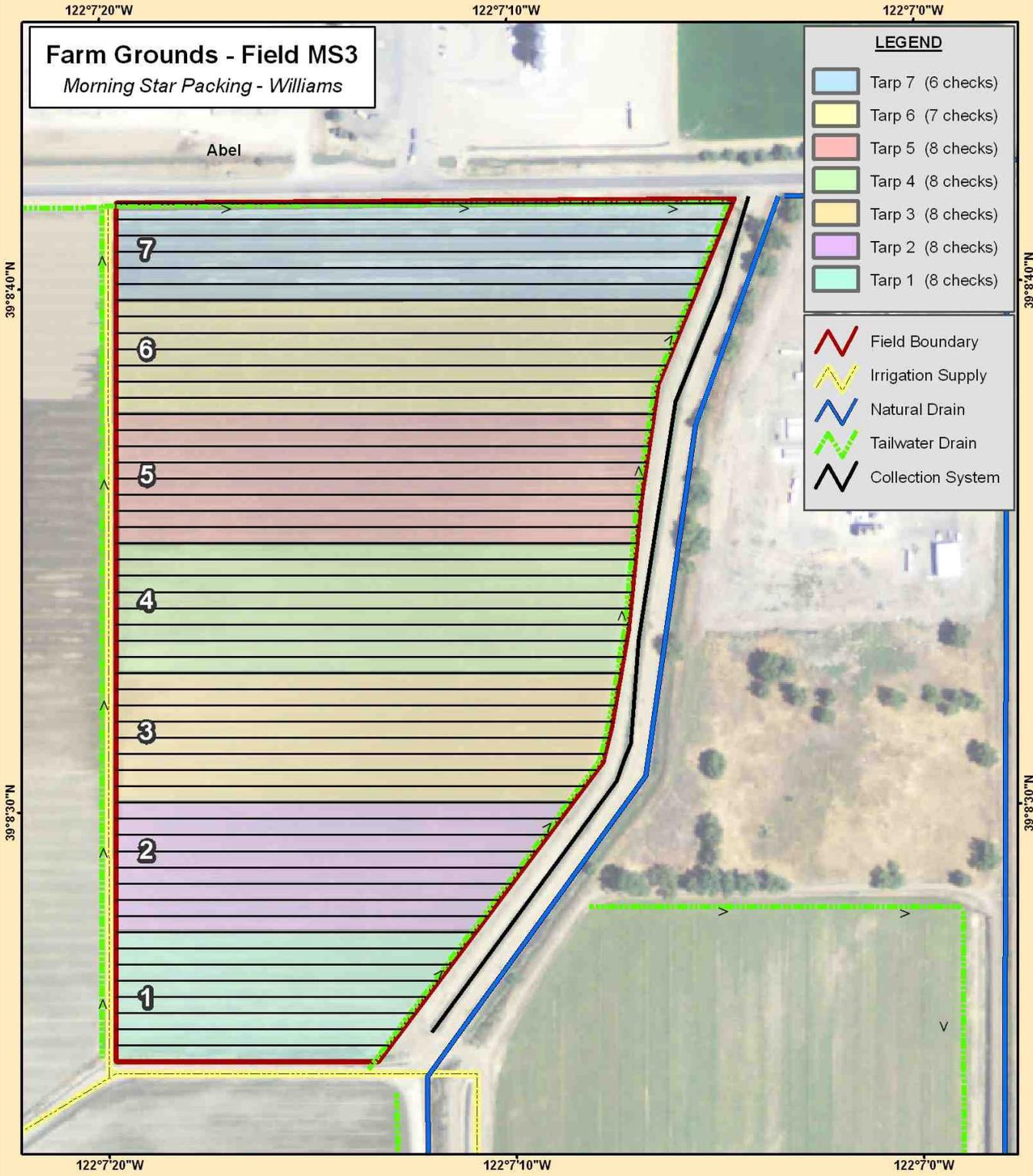
Data Source:
Aerial Photography: Summer 2012
Projection: UTM Zone 10N, NAD 83
State of California: Colusa County

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

Farm Grounds - Field MS3
Morning Star Packing - Williams

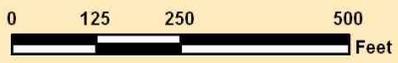
LEGEND

-  Tarp 7 (6 checks)
 -  Tarp 6 (7 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



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 1:3,000 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

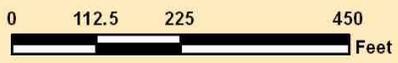
LEGEND

-  Tarp 4 (9 checks)
-  Tarp 3 (8 checks)
-  Tarp 2 (7 checks)
-  Tarp 1 (7 checks)
-  Field Boundary
-  Irrigation Supply
-  Natural Drain
-  Tailwater Drain
-  Collection System



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 1:2,700 1 Inch = 225 Feet



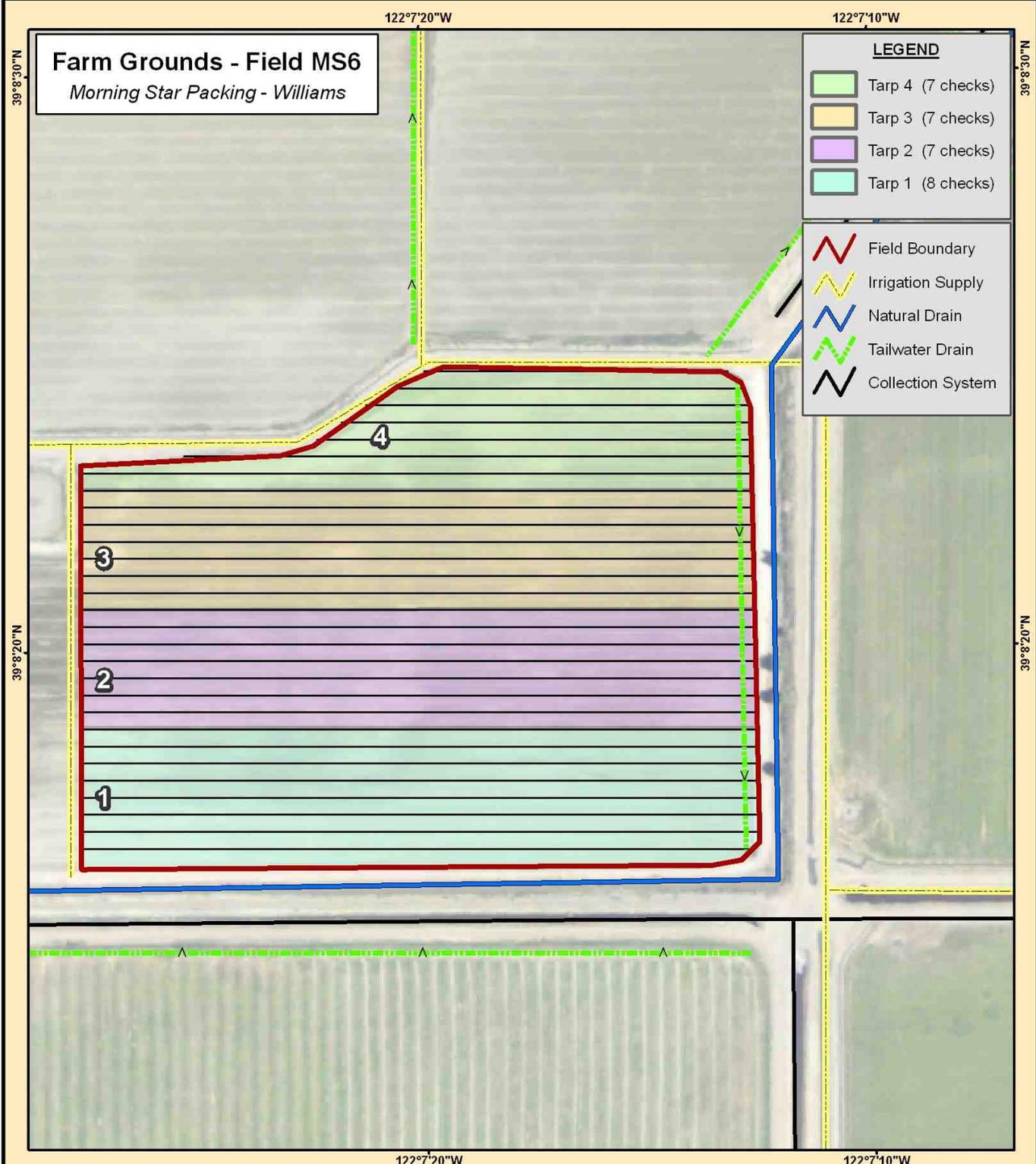
Data Source:
Aerial Photography: Summer 2012
Projection: UTM Zone 10N, NAD 83
State of California: Colusa County

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

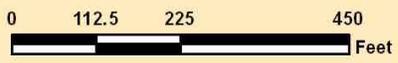
LEGEND

-  Tarp 4 (7 checks)
-  Tarp 3 (7 checks)
-  Tarp 2 (7 checks)
-  Tarp 1 (8 checks)
-  Field Boundary
-  Irrigation Supply
-  Natural Drain
-  Tailwater Drain
-  Collection System



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 1:2,700 1 Inch = 225 Feet



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

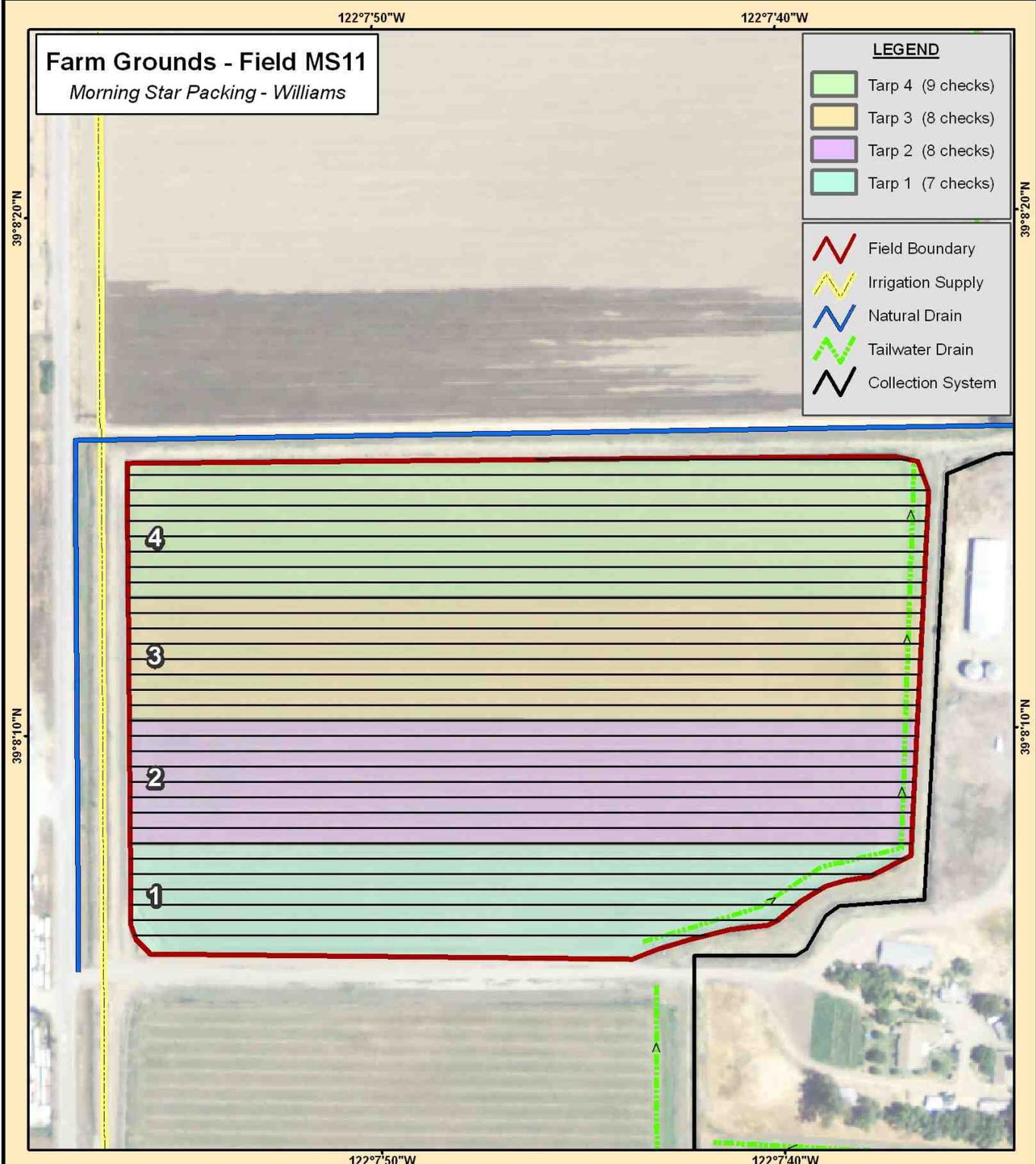
Map Source:
Custom Mapping Services, L.L.C.
Prairieville, LA (225) 677-7207
Map Date: March 24, 2014
Map ID: CMS2014-047

Farm Grounds - Field MS11
Morning Star Packing - Williams

LEGEND

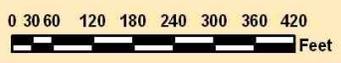
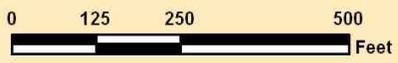
-  Tarp 4 (9 checks)
-  Tarp 3 (8 checks)
-  Tarp 2 (8 checks)
-  Tarp 1 (7 checks)

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



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 1:3,000 1 Inch = 250 Feet



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

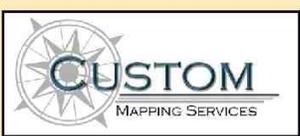
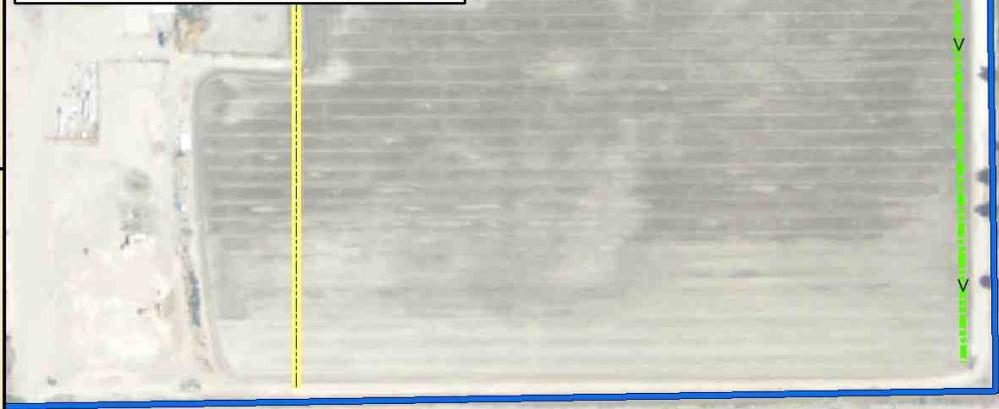
Map Source:
 Custom Mapping Services, L.L.C.
 Prairieville, LA (225) 677-7207
 Map Date: March 24, 2014
 Map ID: CMS2014-048

Farm Grounds - Field MS14
Morning Star Packing - Williams

LEGEND

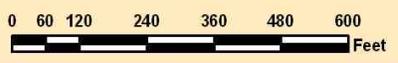
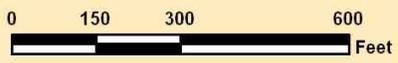
-  Tarp 7 (6 checks)
-  Tarp 6 (8 checks)
-  Tarp 5 (8 checks)
-  Tarp 4 (8 checks)
-  Tarp 3 (8 checks)
-  Tarp 2 (8 checks)
-  Tarp 1 (8 checks)

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



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 1:3,600 1 Inch = 300 Feet



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

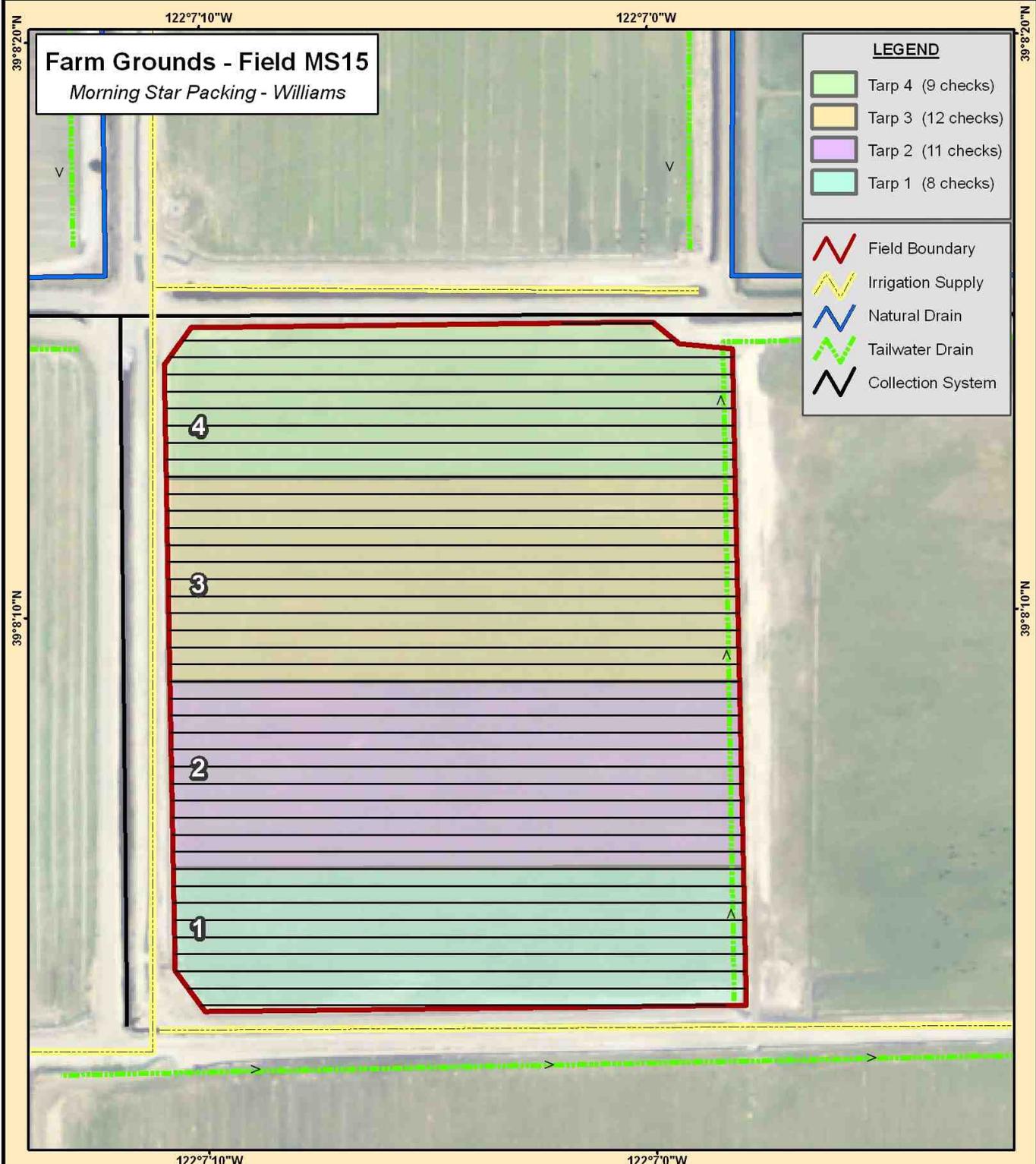
Map Source:
Custom Mapping Services, L.L.C.
Prairieville, LA (225) 677-7207
Map Date: March 24, 2014
Map ID: CMS2014-050

Farm Grounds - Field MS15
Morning Star Packing - Williams

LEGEND

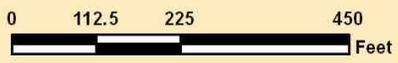
-  Tarp 4 (9 checks)
-  Tarp 3 (12 checks)
-  Tarp 2 (11 checks)
-  Tarp 1 (8 checks)

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



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 1:2,700 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

September

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)	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

**Est based on Google Earth

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	6-Aug
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

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) ¹	BOD Loading Rate as an Irrigation Cycle Average (lb/ac/day) ²
1			0							
2			0							
3			0							
4			0							
5			0							
6	1900		0	17-40	Washwater	128,602	5	17.0	0.02	31
7			0	17-40	Washwater	311,915	24	17.0	0.06	31
8		2200	0	17-40	Washwater	208,205	22	17.0	0.04	31
	2200			41-58	Washwater	13,996	2	12.6	0.00	47
9			0	41-58	Washwater	235,591	24	12.6	0.1	47
10			0	41-58	Washwater	216,823	24	12.6	0.1	47
11		1300	0	41-58	Washwater	241,095	13	12.6	0.0	47
12	1300		0	1-16	Washwater	54,897	11	11.4	0.0	7
13			0	1-16	Washwater	196,197	24	11.4	0.1	7
14		1000	0	1-16	Washwater	46,798	10	11.4	0.01	7
	1000			17-40	Washwater	97,932	14	17.04	0.02	53
15			0	17-40	Washwater	86,339	24	17.04	0.02	53
16		0600	0.01	17-40	Washwater	47,798	6	17.04	0.01	53
	0600			41-58	Washwater	106,032	18	12.6	0.03	127
17		2300	0	41-58	Washwater	147,626	23	12.6	0.04	127
18			0							
19			0							
20			0							
21			0							
22	1000		0	1-16	Washwater	45,925	14	11.4	0.01	
23			0	1-16	Washwater	147,981	24	11.4	0.04	
24		0730	0	1-16	Washwater	25,380	7.5	11.4	0.01	
	0730			17-40	Washwater	83,459	16.5	17.04	0.02	25
25		2300	0	17-40	Washwater	114,907	23	17.04	0.02	25
	2300			41-58	Washwater	3,694	1	12.6	0.00	44
26			0	41-58	Washwater	171,452	24	12.6	0.04	44
27		0700	0	41-58	Washwater	27,352	7	12.6	0.01	44
28			0							
29	0700		0	1-16	Washwater	93,896	17	11	0.0	54
30		0800	0	1-16	Washwater	13,414	8	11	0.0	54
	0800	0:00		17-40	Washwater	40,101	16	17	0.0	37
31			0							
Total			0.01							

¹Calculations and assumptions shall be documented on a separate piece of paper

²See 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)³	45
--	----

³See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH

September

 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)	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

**Est based on Google Earth

MS3

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	6-Aug
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

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) ¹	BOD Loading Rate as an Irrigation Cycle Average (lb/ac/day) ²
1			0							
2			0							
3			0							
4			0							
5			0							
6	1800		0	17-32	Washwater	125,885	6	13.9	0.03	19
7			0	17-32	Washwater	254,438	24	13.9	0.06	19
8		1500	0	17-32	Washwater	115,799	15	13.9	0.03	19
9	1500		0	33-53	Washwater	66,480	9	13.3	0.02	29
10			0	33-53	Washwater	248,679	24	13.3	0.06	29
11		2000	0	33-53	Washwater	190,724	20	13.3	0.04	29
12	1600		0	1-16	Washwater	48,681	8	13.9	0.01	9
13		0900	0	1-16	Washwater	89,709	9	13.9	0.02	9
14	0900		0	17-32	Washwater	149,515	15	13.9	0.03	57
15			0	17-32	Washwater	136,947	24	13.9	0.03	57
16		0300	0	17-32	Washwater	8,804	3	13.9	0.00	57
17	0300		0	33-53	Washwater	58,966	21	13.3	0.01	61
18		2300	0.01	33-53	Washwater	143,012	23	13.3	0.03	61
19			0							
20			0							
21	1000		0	33-53	Washwater	114,982	14	13.3	0.03	62
22			0	33-53	Washwater	132,194	24	13.3	0.03	62
23		0700	0	33-53	Washwater	26,789	7	13.3	0.01	62
24	0800		0	1-16	Washwater	63,995	16	13.9	0.01	18
25			0	1-16	Washwater	280,433	24	13.9	0.04	18
26		1400	0	1-16	Washwater	57,765	14	13.9	0.01	18
27	1400		0	17-32	Washwater	41,261	10	13.9	0.01	39
28		2100	0	17-32	Washwater	85,582	21	13.9	0.02	39
29	2100		0	33-53	Washwater	11,698	3	13.3	0.00	31
30		1900	0	33-53	Washwater	143,273	19	13.3	0.03	31
31	0800		0	1-16	Washwater	100,943	16	13.9	0.0	91
32		0600	0	1-16	Washwater	40,407	6	14	0.0	91
33	0600		0	17-32	Washwater	121,221	18	14	0.0	35
34		0900	0	17-32	Washwater	18,400	9	14	0.0	35
35	0900	0:00	0	33-53	Washwater	29,343	15	13	0.0	42
Total			0.01							

¹Calculations and assumptions shall be documented on a separate piece of paper

²See 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)³	45
--	----

³See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH

September

 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, 9/20
Expected Harvest Yield	3 tons/acre
Actual Harvest Yield	3.1 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) ¹	BOD Loading Rate as an Irrigation Cycle Average (lb/ac/day) ²
1			0							
2	1000		0	1-17	Washwater	187,658	14	12.3	0.05	74
3		1700	0	1-17	Washwater	112,529	17	12.3	0.0	74
4			0							
5			0							
6	0700		0	18-34	Washwater	315,617	17	12.3	0.1	28
7		2100	0	18-34	Washwater	197,006	21	12.3	0.0	28
	2100			1-17	Washwater	28,144	3	12.3	0.0	45
8		1900	0	1-17	Washwater	129,795	19	12.3	0.0	45
	1900			18-34	Washwater	34,157	5	12.3	0.0	155
9		1500	0	18-34	Washwater	143,738	15	12.3	0.0	155
10			0							
11			0							
12			0							
13			0							
14			0							
15			0							
16			0.01							
17			0							
18			0							
19			0							
20			0							
21			0							
22			0							
23			0							
24			0							
25			0							
26			0							
27	1400		0	1-17	Washwater	38,144	10	12.3	0.01	7
28			0	1-17	Washwater	133,986	24	12.3	0.03	7
29		0800	0	1-17	Washwater	47,675	8	12.3	0.01	7
	0800			18-34	Washwater	95,349	16	12.3	0.02	14
30		2100	0	18-34	Washwater	37,991	21	12.3	0.01	14
	2100	0:00		1-17	Washwater	5,427	3	12.3	0.00	113
31			0							
Total			0.01							

¹Calculations and assumptions shall be documented on a separate piece of paper

²See 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) ³	39
--	----

³See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH

September

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) ¹	BOD Loading Rate as an Irrigation Cycle Average (lb/ac/day) ²
1			0							
2			0							
3	1700		0	1-29	Washwater	80,616	7	21.4	0.0	89
4		0600	0	1-29	Washwater	113,318	6	21.4	0.0	89
5	600	2000	0	1-29	Washwater	225,478	14	21.4	0.1	89
6			0							
7			0							
8			0							
9			0							
10	700		0	1-29	Washwater	110,847	17	21.4	0.0	25
11			0	1-29	Washwater	135,630	24	21.4	0.0	25
12		1300	0	1-29	Washwater	121,789	13	21.4	0.0	25
13			0							
14			0							
15	600		0	1-29	Washwater	81,323	18	21.4	0.0	58
16		0800	0.01	1-29	Washwater	80,038	8	21.4	0.0	58
17			0							
18			0							
19	600		0	1-29	Washwater	101,902	18	21.4	0.0	38
20		1500	0	1-29	Washwater	198,223	15	21.4	0.0	38
21			0							
22	700		0	1-29	Washwater	104,683	17	21.4	0.0	91
23		1800	0	1-29	Washwater	108,342	18	21.4	0.0	91
24			0							
25	700		0	1-29	Washwater	106,662	17	21.4	0.0	65
26		0600	0	1-29	Washwater	72,799	6	21.4	0.0	65
27	600		0	1-29	Washwater	119,455	18	21.4	0.0	65
28		1800	0	1-29	Washwater	74,835	18	21.4	0.0	65
29			0							
30			0							
31			0							
Total			0.01							

¹Calculations and assumptions shall be documented on a separate piece of paper

²See 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)³	54
--	----

³See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH

September

 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)	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

**Est based on Google Earth

MS11

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	9-Sep
Expected Harvest Yield	3 tons/acre
Actual Harvest Yield	0.8

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) ¹	BOD Loading Rate as an Irrigation Cycle Average (lb/ac/day) ²
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	1600		0	1-32	Washwater	60,127	8	35.6	0.0	17
16			0.01	1-32	Washwater	399,442	24	35.6	0.0	17
17		0600	0	1-32	Washwater	108,809	6	35.6	0.0	17
18			0							
19			0							
20			0							
21			0							
22	1500		0	1-32	Washwater	92,195	9	35.6	0.0	46
23			0	1-32	Washwater	462,117	24	35.6	0.0	46
24		1300	0	1-32	Washwater	137,377	13	35.6	0.0	46
25			0							
26	0500		0	1-32	Washwater	383,499	19	35.6	0.0	95
27		1800	0	1-32	Washwater	198,720	18	35.6	0.0	95
28	1600		0	1-32	Washwater	229,265	8	35.6	0.0	95
29		2000	0	1-32	Washwater	344,962	20	35.6	0.0	95
30	1200	2400	0	1-32	Washwater	62,834	12	35.6	0.0	95
31			0							
Total			0.01							

¹Calculations and assumptions shall be documented on a separate piece of paper

²See 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)³	44
--	----

³See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH

September

 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

MS14

(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

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	24-Aug
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) ¹	BOD Loading Rate as an Irrigation Cycle Average (lb/ac/day) ²
1	0500		0	33-55	Washwater	541,429	19	19	0.1	8
2			0	33-55	Washwater	486,471	24	18.6	0.08	8
3		0100	0	33-55	Washwater	10,010	1	18.6	0.00	8
	0100			1-32	Washwater	320,582	23	25.9	0.04	14
4			0	1-32	Washwater	847,101	24	25.9	0.10	14
5			0	1-32	Washwater	986,505	24	25.9	0.12	14
6		0900	0	1-32	Washwater	351,843	9	25.9	0.04	14
7			0							
8	1300		0	1-55	Washwater	271,864	11	44.5	0.02	216
9			0	1-55	Washwater	832,047	24	44.5	0.06	216
10		2000	0	1-55	Washwater	638,136	20	44.5	0.04	216
11			0							
12	2000		0	1-55	Washwater	77,924	4	44.5	0.01	198
13			0	1-55	Washwater	765,859	24	44.5	0.05	198
14			0	1-55	Washwater	438,427	24	44.5	0.03	198
15		2200	0	1-55	Washwater	206,686	22	44.5	0.01	198
16	2200		0.01	33-55	Washwater	17,391	2	18.6	0.00	198
17			0	33-55	Washwater	227,399	24	18.6	0.04	198
18		2000	0	33-55	Washwater	194,251	20	18.6	0.03	198
	2000			1-32	Washwater	54,098	4	25.9	0.01	113
19			0	1-32	Washwater	487,181	24	25.9	0.06	113
20		1500	0	1-32	Washwater	239,905	15	25.9	0.03	113
21			0							
22			0							
23	0900		0	1-55	Washwater	361,029	15	44.5	0.02	118
24			0	1-55	Washwater	317,024	24	44.5	0.02	118
25		2200	0	1-55	Washwater	287,032	22	44.5	0.02	118
26			0							
27	0600		0	1-55	Washwater	248,400	18	44.5	0.02	103
28		2000	0	1-55	Washwater	403,954	20	44.5	0.03	103
29	1400		0	1-55	Washwater	215,601	10	44.5	0.01	103
30		0:00	0	1-55	Washwater	157,084	24	44.5	0.01	103
31			0							
Total			0.01							

¹Calculations and assumptions shall be documented on a separate piece of paper

²See 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) ³	142
--	-----

³See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH

September

 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

MS15

(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

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, 9/4
Expected Harvest Yield	3-3.5 tons/acre
Actual Harvest Yield	2.5 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

**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) ¹	BOD Loading Rate as an Irrigation Cycle Average (lb/ac/day) ²
1			0							
2			0							
3			0							
4			0							
5			0							
6			0							
7			0							
8			0							
9			0							
10	1700		0	1-40	Washwater	284,009	7	26.7	0.0	5
11			0	1-40	Washwater	356,371	24	26.7	0.0	5
12			0	1-40	Washwater	280,527	24	26.7	0.0	5
13		1800	0	1-40	Washwater	344,636	18	26.7	0.0	5
14			0							
15	1900		0	1-40	Washwater	28,184	5	26.7	0.00	192
16		1800	0.01	1-40	Washwater	224,686	18	26.7	0.03	192
17			0							
18			0							
19	1200		0	1-40	Washwater	251,115	12	26.7	0.03	48
20			0	1-40	Washwater	395,705	24	26.7	0.05	48
21		1600	0	1-40	Washwater	176,922	16	26.7	0.02	48
22			0							
23	1700		0	1-40	Washwater	101,088	7	26.7	0.01	150
24			0	1-40	Washwater	190,214	24	26.7	0.02	150
25		2200	0	1-40	Washwater	172,219	22	26.7	0.02	150
26			0							
27	0900		0	1-40	Washwater	124,200	15	26.7	0.01	85
28			0	1-40	Washwater	290,847	24	26.7	0.03	85
29		2200	0	1-40	Washwater	284,594	22	26.7	0.03	85
30	0900	2400	0	1-19	Washwater	29,564	15	13.4	0.01	85
31			0							
Total			0.01							

¹Calculations and assumptions shall be documented on a separate piece of paper

²See 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)³	84
--	----

³See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH

September

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)

MS16

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

*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	5/23/15
Anticipated Harvest Date	7/15, 9/15
Actual Harvest Date	26-Aug
Expected Harvest Yield	3 tons/acre
Actual Harvest Yield	3.2 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

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) ¹	BOD Loading Rate as an Irrigation Cycle Average (lb/ac/day) ²
1			0							
2			0							
3			0							
4			0							
5	1800		0	1-21	Washwater	175,209	6	18.4	0.0	26
6			0	1-21	Washwater	666,555	24	18.4	0.1	26
7		0700	0	1-21	Washwater	98,236	7	18.4	0.0	26
	0700			22-42	Washwater	238,573	17	18.4	0.0	20
8			0	22-42	Washwater	245,260	24	18.4	0.0	20
9			0	22-42	Washwater	344,037	24	18.4	0.1	20
10			0	22-42	Washwater	316,630	24	18.4	0.1	20
11		1500	0	22-42	Washwater	153,493	15	18.4	0.0	20
	1500			1-21	Washwater	92,096	9	18.4	0.0	95
12			0	1-21	Washwater	193,322	24	18.4	0.03	95
13		2000	0	1-21	Washwater	263,891	20	18.4	0.04	95
	2000			22-42	Washwater	52,778	4	18.4	0.01	131
14			0	22-42	Washwater	181,282	24	18.4	0.03	131
15		1400	0	22-42	Washwater	54,384	14	18.4	0.01	131
	1400			1-21	Washwater	38,846	10	18.4	0.01	151
16		1900	0.01	1-21	Washwater	163,442	19	18.4	0.03	151
17			0							
18			0							
19	1400		0	1-21	Washwater	344,211	10.0	18.4	0.02	54
20		0200	0	1-21	Washwater	22,725	2	18.4	0.00	54
	0200			22-42	Washwater	249,971	22	18.4	0.04	45
21			0	22-42	Washwater	182,886	24	18.4	0.03	45
22		2000	0	22-42	Washwater	105,892	20	18.4	0.02	45
23	1800		0	1-21	Washwater	59,712	6	18.4	0.01	97
24		2200	0	1-21	Washwater	120,160	22	18.4	0.02	97
	2200			22-42	Washwater	10,924	2	18.4	0.00	138
25			0	22-42	Washwater	129,472	24	18.4	0.02	138
26		1300	0	22-42	Washwater	135,619	13	18.4	0.02	138
27	1100		0	1-21	Washwater	74,179	13	18.4	0.01	46
28		0700	0	1-21	Washwater	58,460	7	18.4	0.01	46
	0700			22-42	Washwater	141,974	17	18.4	0.02	34
29		0900	0	22-42	Washwater	80,233	9	18.4	0.01	34
30			0							
31			0							
Total			0.01							

¹Calculations and assumptions shall be documented on a separate piece of paper

²See 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)³	86
--	----

³See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH

September

 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

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

*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	28-Jul
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) ¹	BOD Loading Rate as an Irrigation Cycle Average (lb/ac/day) ²
1			0							
2	0900		0	1-24	Washwater	364,527	15	22	0.1	113
3		2300	0	1-24	Washwater	276,022	23	22.3	0.0	113
4		2300	0	25-42	Washwater	9,041	1	16.8	0.0	34
5		0700	0	25-42	Washwater	293,289	24	16.8	0.1	34
6			0	25-42	Washwater	436,636	7	16.8	0.03	34
7			0							
8			0							
9			0							
10			0							
11			0							
12			0							
13			0							
14			0							
15	1000		0	1-42	Washwater	115,567	14	39.1	0.01	25
16			0.01	1-42	Washwater	438,713	24	39.1	0.03	25
17			0	1-42	Washwater	478,027	24	39.1	0.04	25
18		0900	0	1-42	Washwater	183,755	9	39.1	0.01	25
19			0							
20			0							
21			0							
22	1300		0	1-24	Washwater	70,585	11	22.3	0.01	90
23			0	1-24	Washwater	289,472	24	22.3	0.04	90
24		0600	0	1-24	Washwater	39,717	6	22.3	0.01	90
25	0600		0	25-42	Washwater	89,764	18	16.8	0.02	67
26		0500	0	25-42	Washwater	24,628	5	16.8	0.00	67
27			0							
28	0900		0	1-24	Washwater	151,823	15	22	0.0	58
29		0800	0	1-24	Washwater	86,434	8	22	0.0	58
30	0800		0	25-42	Washwater	130,233	16	17	0.0	26
31		1000	0	25-42	Washwater	24,710	10	17	0.0	26
Total			0.01							

¹Calculations and assumptions shall be documented on a separate piece of paper

²See 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) ³	57
--	----

³See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH

September

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

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	4-Aug
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) ¹	BOD Loading Rate as an Irrigation Cycle Average (lb/ac/day) ²
1	0		0	25-43	Washwater	617,725	24	17	0.1	30
2		0800	0	25-43	Washwater	146,464	8	17	0.0	30
3			0							
4			0							
5	0700		0	1-24	Washwater	601,647	17	22.3	0.1	66
6		2400	0	1-24	Washwater	807,835	24	22.3	0.11	66
7	2400		0	25-43	Washwater	-	0	16.8	0.00	28
8			0	25-43	Washwater	307,522	24	16.8	0.06	28
9		2000	0	25-43	Washwater	223,933	24	16.8	0.04	28
10			0	25-43	Washwater	261,768	20	16.8	0.05	28
11			0							
12			0							
13			0							
14			0							
15			0							
16			0.01							
17			0							
18	0900		0	1-43	Washwater	306,259	15	39.1	0.02	44
19			0	1-43	Washwater	735,474	24	39.1	0.06	44
20			0	1-43	Washwater	579,478	24	39.1	0.05	44
21			0	1-43	Washwater	388,632	24	39.1	0.03	44
22		1300	0	1-43	Washwater	146,263	13	39.1	0.01	44
23			0							
24			0							
25	0500		0	1-43	Washwater	217,810	19	39.1	0.02	154
26		2000	0	1-43	Washwater	443,371	20	39.1	0.03	154
27			0							
28			0							
29			0							
30	1000	12:00 AM	0	1-24	Washwater	45,919	14	22	0.0	64
31			0							
Total			0.01							

¹Calculations and assumptions shall be documented on a separate piece of paper

²See 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)³	95
--	----

³See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH

September

 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	5-Oct
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) ¹	BOD Loading Rate as an Irrigation Cycle Average (lb/ac/day) ²
1			0							
2			0							
3	800		0	NA	Washwater	912,000	16	135.0	0.02	51
4		1800	0	NA	Washwater	1,026,000	18	135.0	0.02	51
5			0							
6			0							
7	800		0	NA	Washwater	912,000	16	135.0	0.02	40
8		1600	0	NA	Washwater	912,000	16	135.0	0.02	40
9			0							
10			0							
11	800		0	NA	Washwater	912,000	16	135.0	0.02	38
12		1730	0	NA	Washwater	997,500	17.5	135	0.02	38
13			0							
14	800		0	NA	Washwater	912,000	16	135	0.02	96
15		1600	0	NA	Washwater	912,000	16	135	0.02	96
16			0.01							
17	900		0	NA	Washwater	855,000	15	135	0.02	91
18		1600	0	NA	Washwater	912,000	16	135	0.02	91
19			0							
20	1100		0	NA	Washwater	741,000	13	135	0.02	88
21		1600	0	NA	Washwater	912,000	16	135	0.02	88
22			0							
23			0							
24	1200		0	NA	Washwater	684,000	12	135	0.02	60
25		1100	0	NA	Washwater	627,000	11	135	0.01	60
26			0							
27			0							
28			0							
29			0							
30			0							
31			0							
Total			0.01							

¹Calculations and assumptions shall be documented on a separate piece of paper

²See 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) ³	57
--	----

³See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH
YEAR

September
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)			156	152	160	319	162	287	152	212	161	185	297
Total Nitrogen Loading Rate from Settling Pond Solids (lbs/ac/month)													12.2
Total Nitrogen Loading Rate from Cooling Pond Solids (lbs/ac/month)													
Total Nitrogen Loading Rate from Residual Solids (lbs/ac/month)													70.3
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)				152	160	319	162	287	152	212	161	185	379.478
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 September
YEAR 2015

LAND APPLICATION AREA WASTEWATER INSPECTION MONITORING

Field No. Morning Star Technician Carlos
Date 9-3-15 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 98° - 4 mph
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).

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 September
YEAR 2015

LAND APPLICATION AREA WASTEWATER INSPECTION MONITORING

Field No. Morning Star Technician Carlos R
Date 9-10-15 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 99° - 4 mph N-S
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).

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 September
YEAR 2015

LAND APPLICATION AREA WASTEWATER INSPECTION MONITORING

Field No. Morning Star Technician Carlos R
Date 9-17-15 Weather sunny

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 90° 8 mph - NNE
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).

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 September
YEAR 2015

LAND APPLICATION AREA WASTEWATER INSPECTION MONITORING

Field No. Morning Star Technician Carlos R
Date 9-24-15 Weather Sunny

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 9 mph ~~SE~~ 85°
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

September

YEAR

2015

RESIDUAL SOLIDS MONITORING :

Date	Type of Solids Generated	Volume of Solids Generated (tons) ¹	Volume of Solids Disposed of Offsite (tons)	Offsite Solids Disposal Location ²	Volume of Solids Disposed of Onsite (tons)	Onsite Solids Disposal Location ³
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.

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

²Volume 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.

³Volume 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

September

 YEAR

2015

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												
Week 2	9/8/15	4:00pm 4:30pm	4.0	3.9	N/A	10.0	10.1	N/A	8.7 8.6	Yes (YSI) N/A (Hach)	8.5 8.4	J.I. J.I.
Week 3												
Week 4	9/20/15	8:00am	7.0	6.98	N/A	10.0	9.98	N/A	4.6 4.3 3.8	N/A (Hach) Yes (Milw) Yes (YSI)	4.4 4.0 3.4	J.I. J.I. 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

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	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%

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

2.5' 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