

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 MARCH 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) SETTLING POND WAS DRAINED BY 11/1/14, HOWEVER, ACCUMULATED SLUDGE AND SEDIMENT CANNOT BE REMOVED UNTIL MAY/JUNE 2015
2. Have the violations been corrected? Yes (No) If no, what will be done to correct the violations: (add extra pages as needed) THE SETTLING POND WILL BE EXCAVATED AND APPLIED TO LAA IN MAY/JUNE 2015

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: 4/30/15



THE MORNING STAR PACKING COMPANY

724 Main Street, Woodland CA 95695

28 April 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 March 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.

There are no tabulated cooling pond monitoring results for March as the pond was dry, however, a March logsheet 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.

As The Morning Star Packing Company – Williams is not processing, there are no daily flow measurements from the washwater sources, however, due to the drought conditions, the facility did begin irrigating with supplemental irrigation water. The March logsheets are 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.

As The Morning Star Packing Company – Williams is not processing the March average daily flow is zero and a comparison to the average daily flow limit is not needed. 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	0	
Station 2: Cooling Pond	0	
Total Washwater Discharge	0	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.*

As The Morning Star Packing Company – Williams is not processing, there is no washwater monitoring data and calculations to be submitted, however, a March 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 2014 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.*

As The Morning Star Packing Company – Williams is not processing, there is no pre-application inspection reports to submit, however, a March logsheet is 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.

As The Morning Star Packing Company – Williams is not processing, there is no calculation of the flow-weighted average FDS concentration to report, however, this information 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.

As The Morning Star Packing Company – Williams is not processing, there is no residual solids monitoring data to report, however, a March logsheet 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.

As The Morning Star Packing Company – Williams is not processing, there is no comparison of monitoring data to the flow limitations, effluent limitations, mass loading limitations or discharge specifications.

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

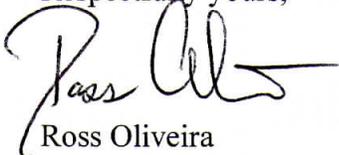
As The Morning Star Packing Company – Williams is not processing, there are no laboratory analytical reports to be submitted.

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

The calibration log for March is included as **Attachment H**.

"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

MONTH

March

 YEAR

2015

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

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
Settling Pond	Week 1								
	Week 2								
	Week 3								
	Week 4								
	Week 5								
Cooling Pond	Week 1								
	Week 2								
	Week 3								
	Week 4								
	Week 5	3/31/15		n/a	n/a	n/a	n/a	n/a	n/a

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/levee condition is not reported as good, a description of the condition of the berm/levee 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

March

 YEAR

2015

FLOW MONITORING RESULTS :

Monitoring Date (Day of Month)	Flow Source				Names of LAAs Irrigated	Station 3 - Total Discharge to LAAs (inches)
	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)		
1	0	0	2,232,000	0	-	0
2	0	0	2,232,000	0	-	0
3	0	0	2,232,000	0	-	0
4	0	0	2,232,000	0	-	0
5	0	0	2,232,000	0	-	0
6	0	0	2,232,000	0	-	0
7	0	0	2,232,000	0	-	0
8	0	0	2,232,000	0	-	0
9	0	0	2,232,000	0	-	0
10	0	0	2,232,000	0	-	0
11	0	0	2,232,000	0	-	0
12	0	0	2,232,000	0	-	0
13	0	0	2,232,000	0	-	0
14	0	0	2,232,000	0	-	0
15	0	0	2,232,000	0	-	0
16	0	0	2,232,000	0	-	0
17	0	0	2,232,000	0	-	0
18	0	0	2,232,000	0	-	0
19	0	0	2,232,000	0	-	0
20	0	0	2,232,000	0	-	0
21	0	0	2,232,000	0	-	0
22	0	0	2,232,000	0	-	0
23	0	0	2,232,000	0	-	0
24	0	0	2,232,000	0	-	0
25	0	0	2,232,000	0	-	0
26	0	0	2,232,000	0	-	0
27	0	0	2,232,000	0	-	0
28	0	0	2,232,000	0	-	0
29	0	0	2,232,000	0	-	0
30	0	0	837,000	0	-	0
31	0	0	0	0	-	0
Total Monthly Flow (MG)	0	0	65,565,000	0		0
Average Daily Flow (MGD)	0	0	2,115,000	0		0
Cumulative Annual Flow to Date (MG)	0	0	100,626,000	0		0

Attachment C

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	March
YEAR	2015

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			N/A		N/A	N/A
Last Week of Previous Month			N/A		N/A	N/A
Week 1 of Current Month						
Week 2 of Current Month						
Week 3 of Current Month						
Week 4 of Current Month						
Week 5 of Current Month						

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

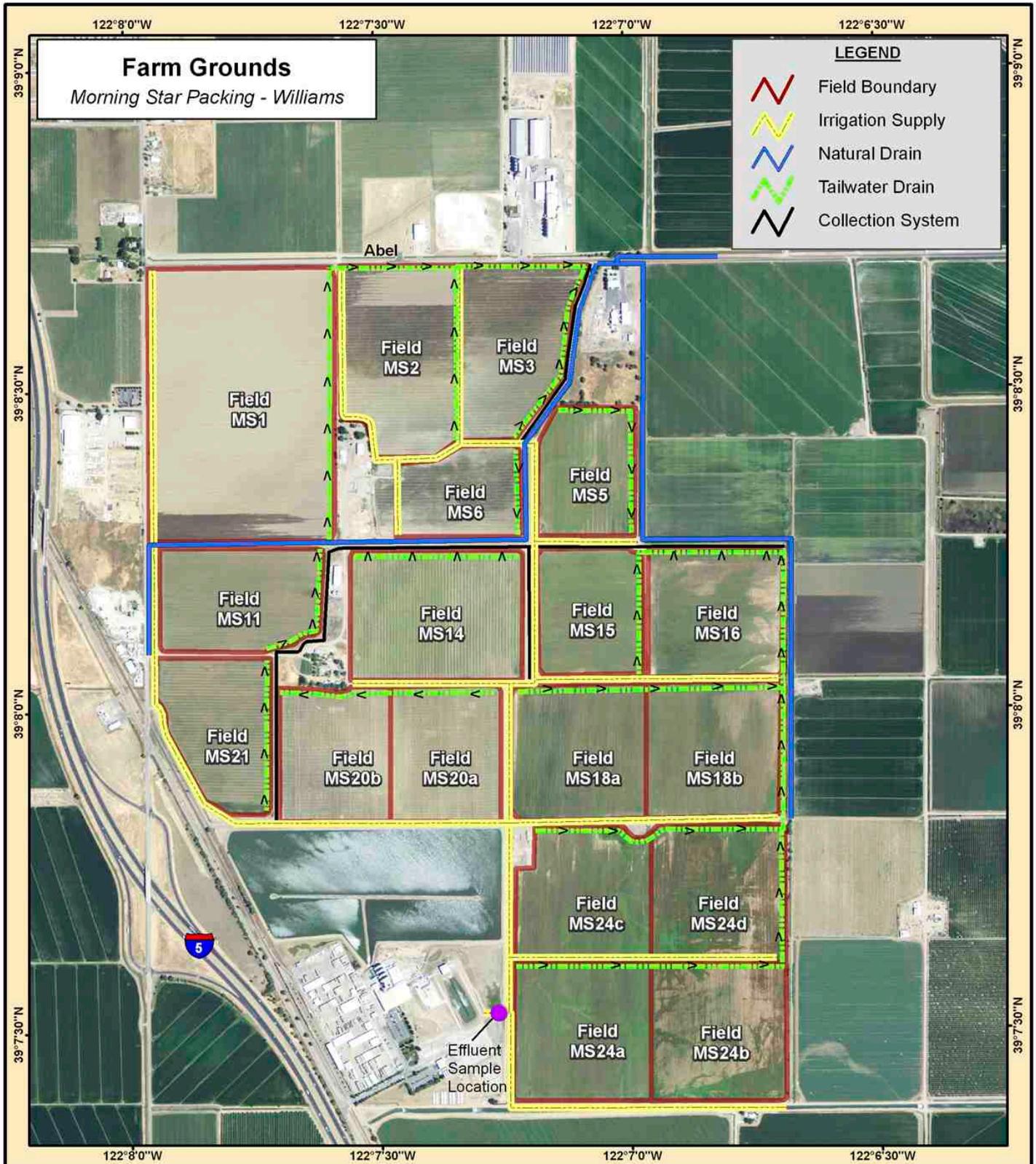
Average BOD Concentration (mg/L)¹	
Average Monthly Total Nitrogen Concentration (mg/L)²	
Monthly Average FDS Concentration (mg/L)	
Flow Weighted Average FDS Concentration to Date (mg/L)³	

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).

Attachment D



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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

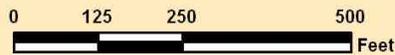
122°7'30"W

122°7'20"W



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



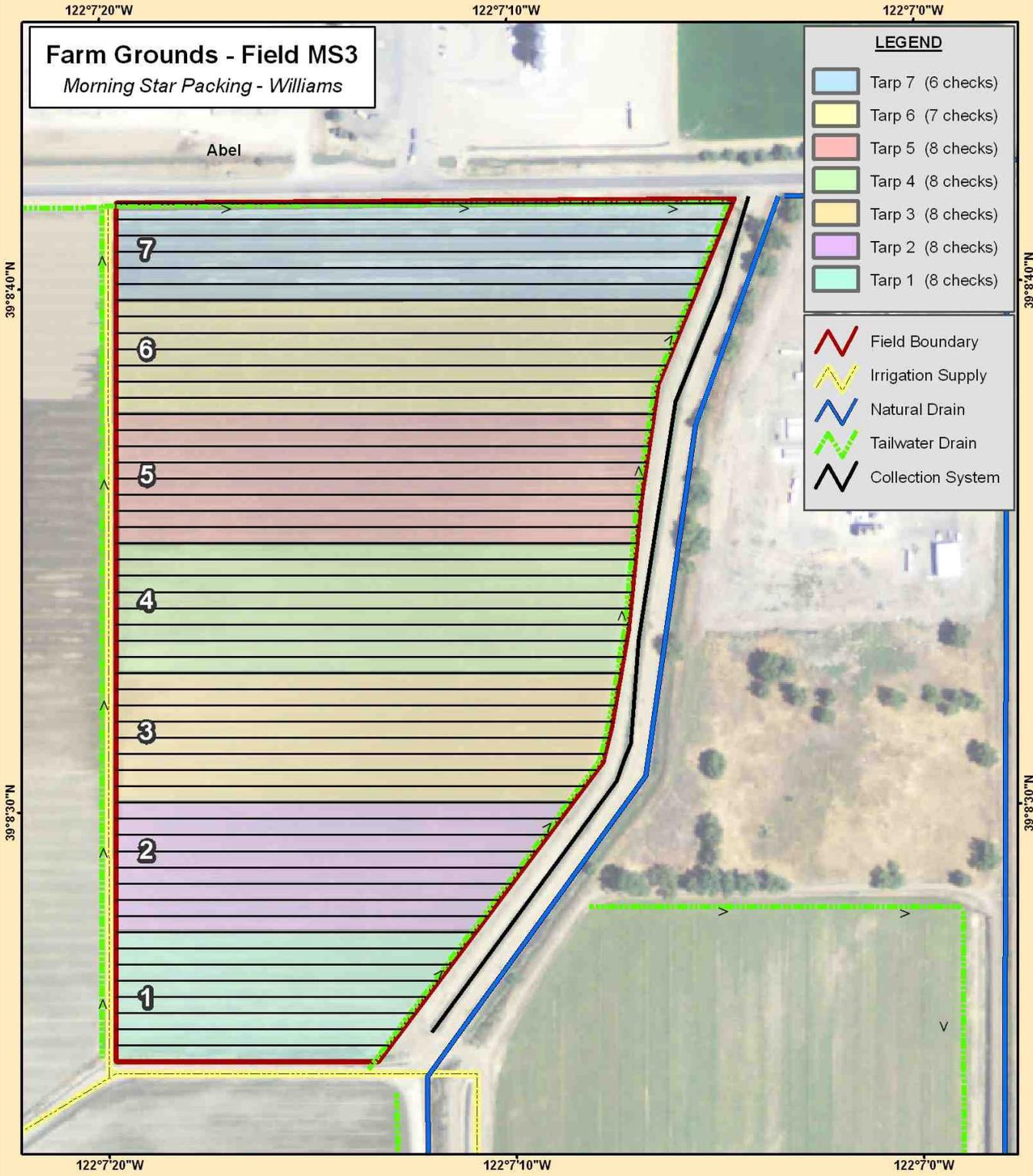
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Aerial Photography: Summer 2012
Projection: UTM Zone 10N, NAD 83
State of California: Colusa County

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

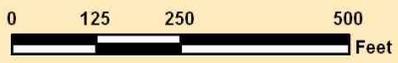
LEGEND

-  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



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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

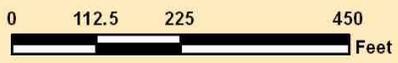
LEGEND

-  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



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



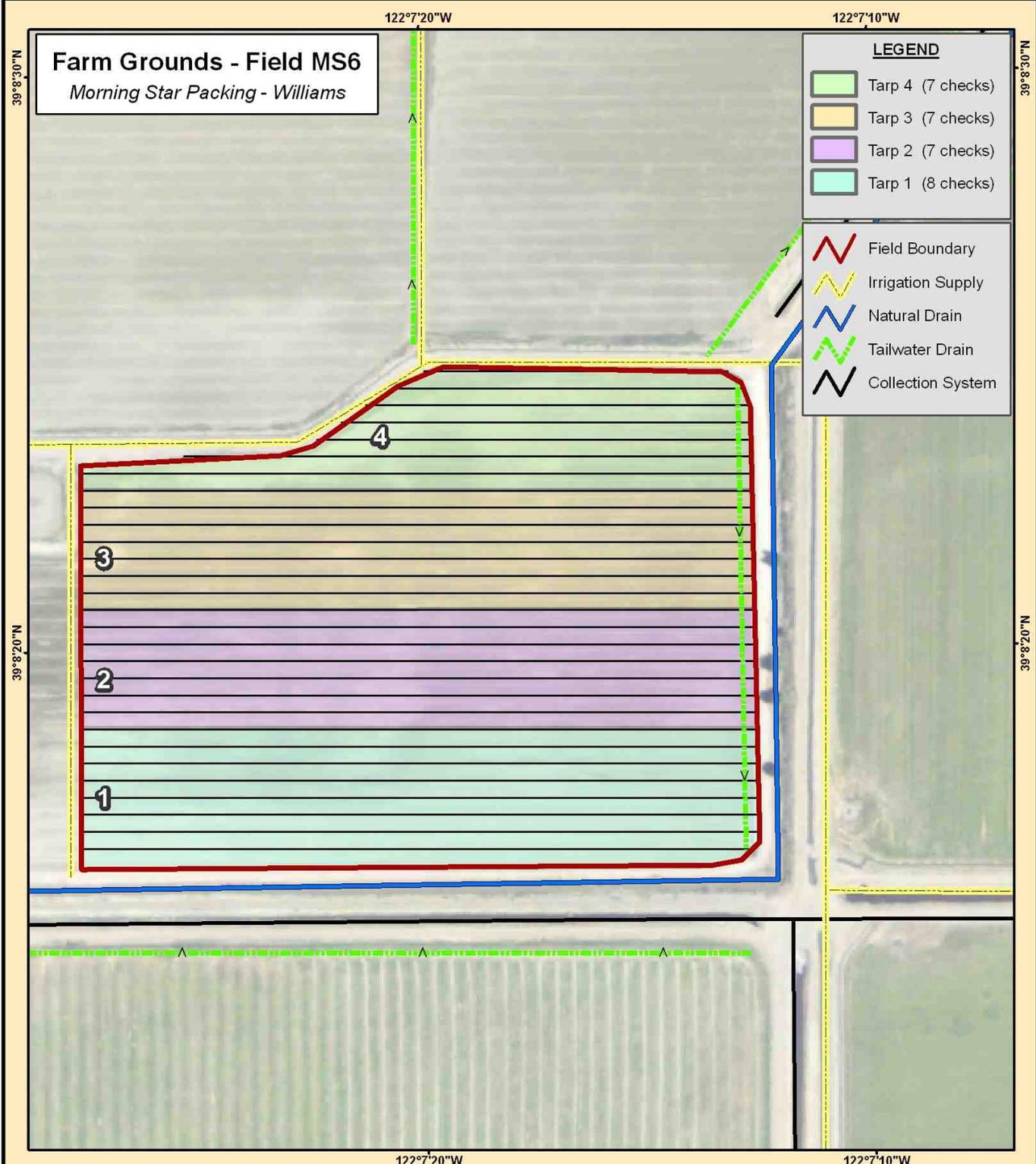
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Aerial Photography: Summer 2012
Projection: UTM Zone 10N, NAD 83
State of California: Colusa County

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

Farm Grounds - Field MS6
Morning Star Packing - Williams

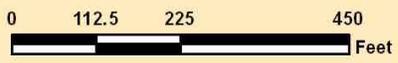
LEGEND

-  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



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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

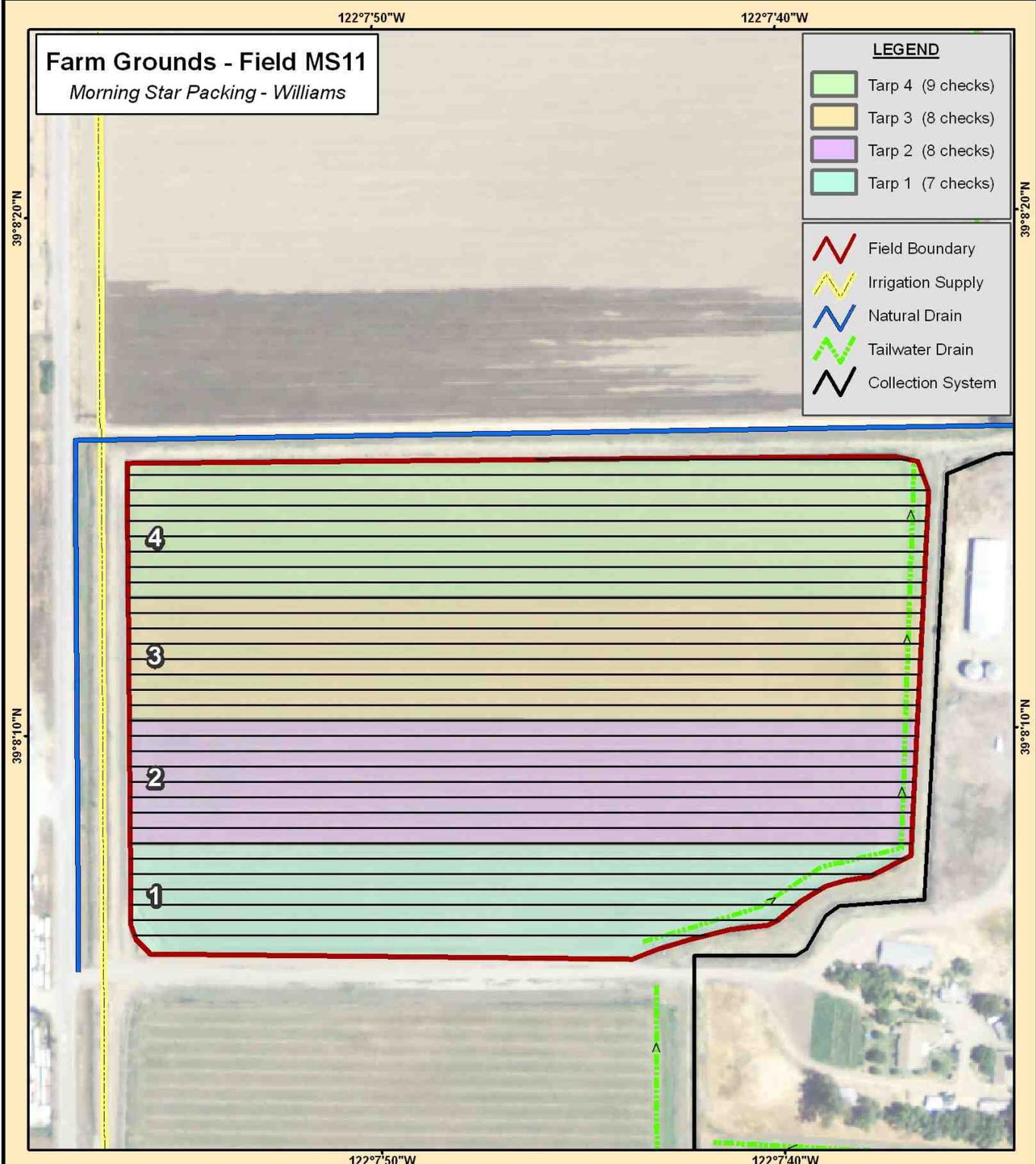
Map Source:
Custom Mapping Services, L.L.C.
Prairieville, LA (225) 677-7207
Map Date: March 24, 2014
Map ID: CMS2014-047

Farm Grounds - Field MS11
Morning Star Packing - Williams

LEGEND

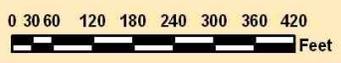
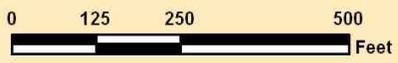
-  Tarp 4 (9 checks)
-  Tarp 3 (8 checks)
-  Tarp 2 (8 checks)
-  Tarp 1 (7 checks)

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



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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

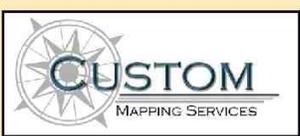
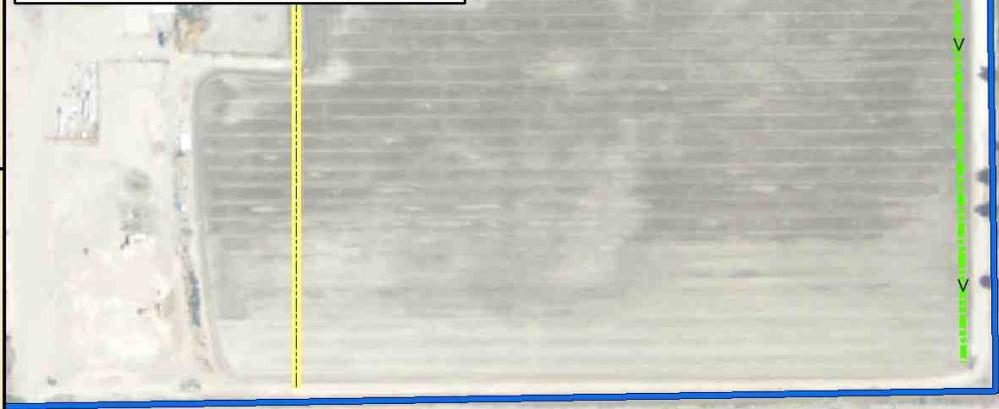
Map Source:
Custom Mapping Services, L.L.C.
Prairieville, LA (225) 677-7207
Map Date: March 24, 2014
Map ID: CMS2014-048

Farm Grounds - Field MS14
Morning Star Packing - Williams

LEGEND

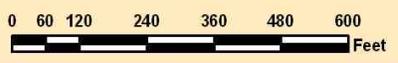
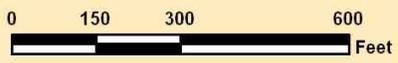
-  Tarp 7 (6 checks)
-  Tarp 6 (8 checks)
-  Tarp 5 (8 checks)
-  Tarp 4 (8 checks)
-  Tarp 3 (8 checks)
-  Tarp 2 (8 checks)
-  Tarp 1 (8 checks)

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



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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

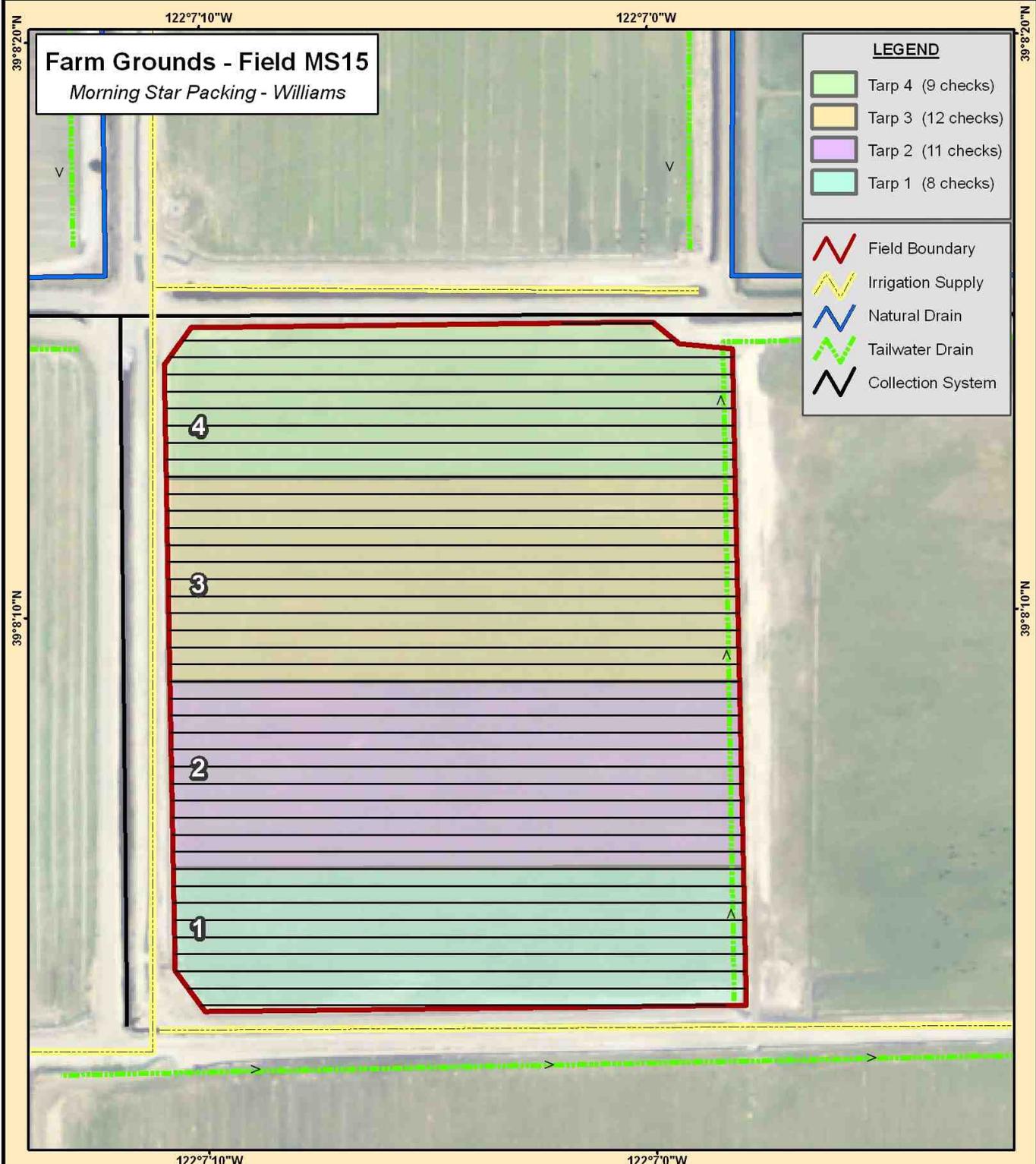
Map Source:
Custom Mapping Services, L.L.C.
Prairieville, LA (225) 677-7207
Map Date: March 24, 2014
Map ID: CMS2014-050

Farm Grounds - Field MS15
Morning Star Packing - Williams

LEGEND

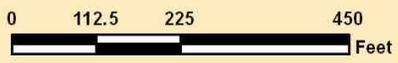
-  Tarp 4 (9 checks)
-  Tarp 3 (12 checks)
-  Tarp 2 (11 checks)
-  Tarp 1 (8 checks)

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



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



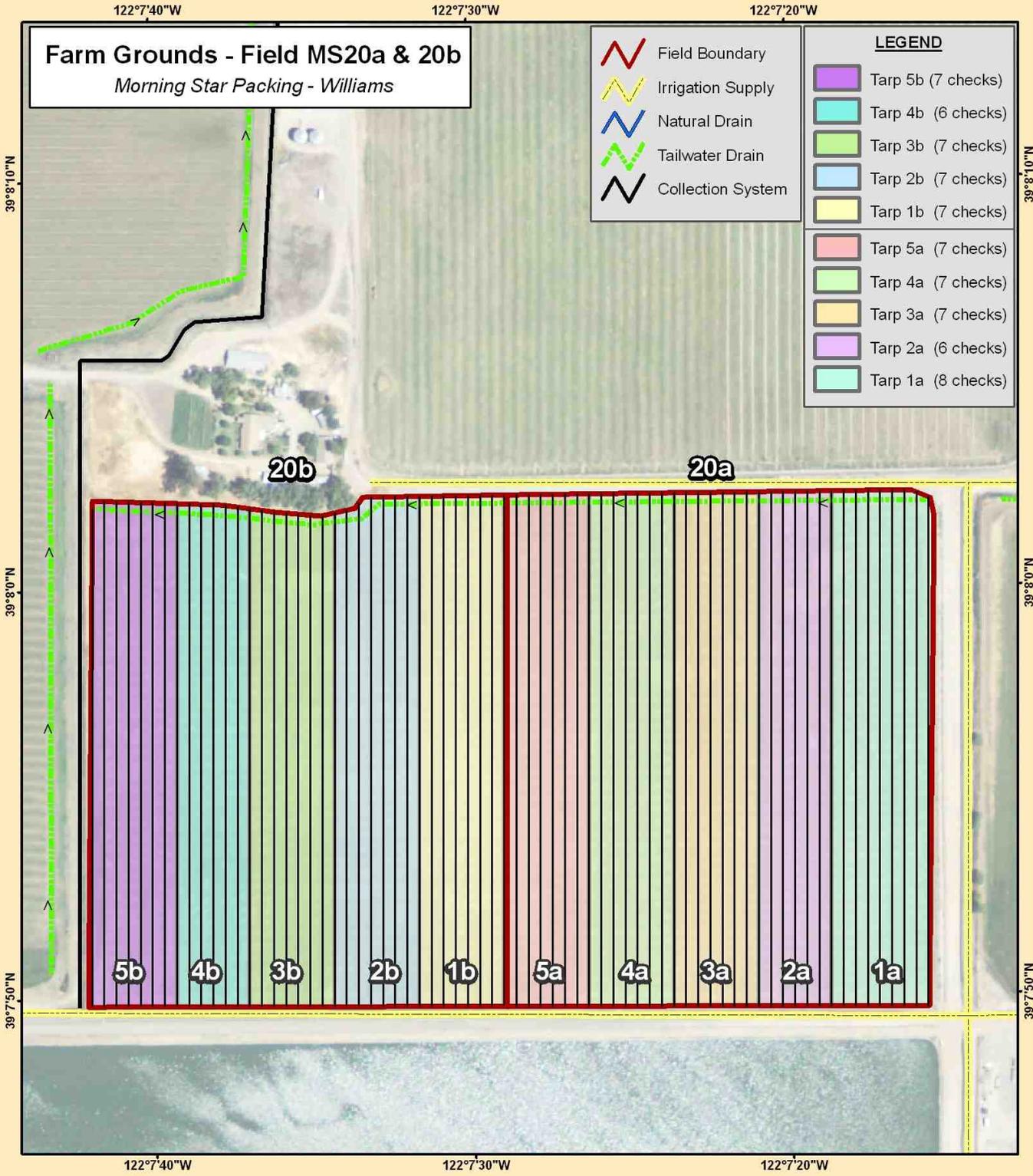
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Aerial Photography: Summer 2012
Projection: UTM Zone 10N, NAD 83
State of California: Colusa County

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

Farm Grounds - Field MS20a & 20b
Morning Star Packing - Williams

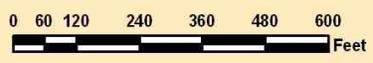
-  Field Boundary
-  Irrigation Supply
-  Natural Drain
-  Tailwater Drain
-  Collection System

LEGEND	
	Tarp 5b (7 checks)
	Tarp 4b (6 checks)
	Tarp 3b (7 checks)
	Tarp 2b (7 checks)
	Tarp 1b (7 checks)
	Tarp 5a (7 checks)
	Tarp 4a (7 checks)
	Tarp 3a (7 checks)
	Tarp 2a (6 checks)
	Tarp 1a (8 checks)



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Map Scale 1:3,840 1 Inch = 320 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: CMS2014-051

Farm Grounds - Field MS21
Morning Star Packing - Williams

122°7'50"W

122°7'40"W

39°8'0"N

39°7'50"N

39°8'0"N

39°7'50"N

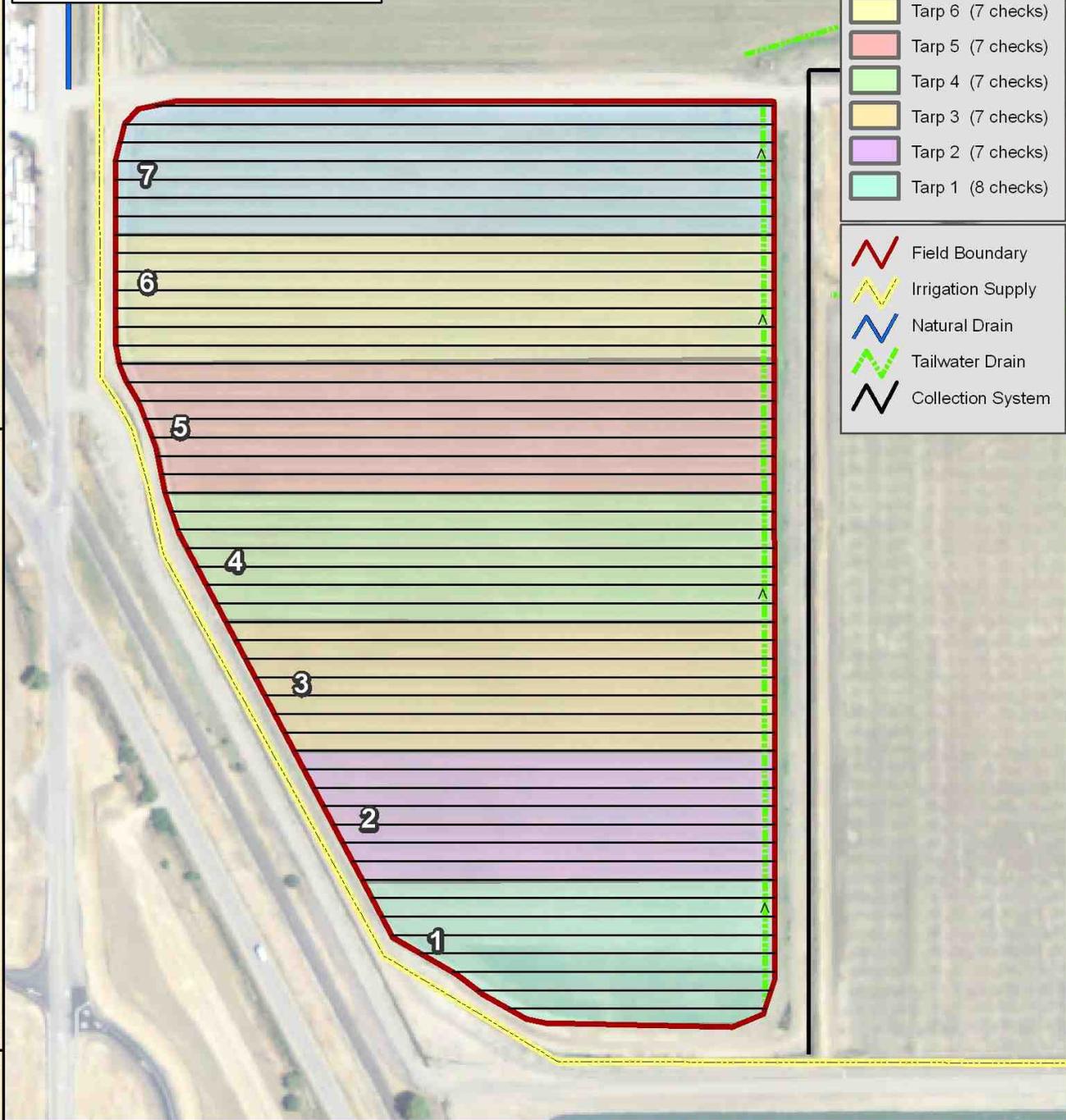
122°7'50"W

122°7'40"W

LEGEND

-  Tarp 7 (7 checks)
-  Tarp 6 (7 checks)
-  Tarp 5 (7 checks)
-  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



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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: CMS2014-046

Attachment E

MONTHLY MONITORING REPORT

MONTH

March

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	Oats
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	
Expected Harvest Yield	3-3.5 tons/acre
Actual Harvest Yield	

MS2

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			0							
7			0							
8			0							
9			0							
10			0							
11			0.15							
12			0							
13			0							
14			0							
15			0							
16			0							
17			0							
18	8:00	18:00	0	1-13	Cooling Pond	460,770	10	5.9	0.24	
	18:00			14-21	Cooling Pond	276,462	6	5.9	0.14	
19		6:00	0	14-21	Cooling Pond	276,462	6	5.9	0.14	
	6:00	14:00		22-29	Cooling Pond	368,616	8	5.9	0.19	
	14:00	22:00		30-37	Cooling Pond	368,616	8	5.9	0.19	
	22:00			38-45	Cooling Pond	92,154	2	5.9	0.05	
20		11:00	0	38-45	Cooling Pond	479,024	11	5.9	0.25	
	11:00			46-52	Cooling Pond	566,119	13	5.9	0.29	
21		7:00	0	46-52	Cooling Pond	304,833	7	5.9	0.16	
	7:00			53-58	Cooling Pond	740,310	17	5.9	0.39	
22		6:00	0.06	53-58	Cooling Pond	237,561	6	5.9	0.12	
23			0							
24			0							
25			0							
26			0							
27			0							
28			0							
29			0							
30			0							
31			0							
Total			0.21							

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	0
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³See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH

March

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	Oats
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	
Expected Harvest Yield	3-3.5 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) 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			0.15							
12			0							
13			0							
14			0							
15			0							
16			0							
17			0							
18			0							
19			0							
20			0							
21			0							
22			0.06							
23			0							
24			0							
25			0							
26			0							
27			0							
28			0							
29			0							
30			0							
31			0							
Total			0.21							

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

0

³See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH

March

 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)

MS5

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	Oats
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	
Expected Harvest Yield	3-3.5 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) ¹	BOD Loading Rate as an Irrigation Cycle Average (lb/ac/day) ²
1	0:00	7:00	0	19-26	Cooling Pond	196,656	7	5.8	0.10	
	7:00			27-34	Cooling Pond	477,594	17	5.8	0.25	
2		6:00	0	27-34	Cooling Pond	236,018	6	5.8	0.12	
3			0							
4			0							
5			0							
6			0							
7			0							
8			0							
9			0							
10			0							
11	9:00		0.15	1-9	Cooling Pond	419,549	15	6.5	0.20	
12		6:00	0	1-9	Cooling Pond	160,724	6	6.5	0.08	
	6:00	18:00		9-18	Cooling Pond	321,448	12	6.5	0.15	
	18:00			19-26	Cooling Pond	143,415	6	5.8	0.08	
13		7:00	0	19-26	Cooling Pond	203,684	7	5.8	0.11	
	7:00	21:00		27-34	Cooling Pond	407,369	14	5.8	0.22	
14			0							
15			0							
16			0							
17			0							
18			0							
19			0							
20			0							
21			0							
22			0.06							
23			0							
24			0							
25			0							
26			0							
27			0							
28	9:00	20:00	0	1-9	Cooling Pond	604,729	11	6.5	0.29	
	20:00			9-18	Cooling Pond	219,901	4	6.5	0.10	
29		9:00	0	9-18	Cooling Pond	505,505	9	6.5	0.24	
	9:00	20:00		19-26	Cooling Pond	551,303	11	5.8	0.29	
	20:00			27-34	Cooling Pond	200,474	4	5.8	0.11	
30		7:00	0	27-34	Cooling Pond	409,918	7	5.8	0.22	
31			0							
Total			0.21							

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	0
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³See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH

March

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)	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

MS6

Crop Information

Crop Name	Oats
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	
Expected Harvest Yield	3-3.5 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			0							
4			0							
5			0							
6			0							
7			0							
8			0							
9			0							
10			0							
11			0.15							
12			0							
13			0							
14			0							
15			0							
16			0							
17			0							
18			0							
19			0							
20			0							
21			0							
22			0.06							
23			0							
24			0							
25			0							
26			0							
27			0							
28			0							
29			0							
30			0							
31			0							
Total			0.21							

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

0

³See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH

March

 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	Oats
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	
Expected Harvest Yield	3-3.5 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) 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	11:00		0	1-7	Cooling Pond	714,860	13	7.8	0.28	
10		13:00	0	1-7	Cooling Pond	506,546	13	7.8	0.20	
11	13:00	11:00	0.15	8-15	Cooling Pond	489,062	11	8.9	0.17	
	11:00			16-23	Cooling Pond	421,270	11	8.9	0.15	
12		10:00	0	16-23	Cooling Pond	497,865	13	8.9	0.17	
	10:00			24-32	Cooling Pond	366,780	10	8.9	0.13	
13		12:00	0	24-32	Cooling Pond	576,957	14	10	0.18	
14			0							
15			0							
16			0							
17			0							
18			0							
19			0							
20			0							
21			0							
22			0.06							
23			0							
24			0							
25			0							
26			0							
27			0							
28			0							
29			0							
30			0							
31			0							
Total			0.21							

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	0
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³See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH
YEAR

March
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)

MS14

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

Crop Information

Crop Name	Oats
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	
Expected Harvest Yield	2-2.5 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) ¹	BOD Loading Rate as an Irrigation Cycle Average (lb/ac/day) ²
1			0							
2	8:00		0	1-8	Cooling Pond	541,892	17	4.7	0.35	
3		7:00	0	1-8	Cooling Pond	556,260	17	4.7	0.36	
4	7:00	6:00	0	9-16	Cooling Pond	556,260	17	4.7	0.36	
	6:00			9-16	Cooling Pond	286,102	6	4.7	0.19	
				17-24	Cooling Pond	858,305	18	4.7	0.56	
5		9:00	0	17-24	Cooling Pond	591,564	9	4.7	0.39	
	9:00			25-32	Cooling Pond	985,940	15	4.7	0.64	
6		7:00	0	25-32	Cooling Pond	244,776	7	4.7	0.16	
	7:00			33-40	Cooling Pond	594,456	17	4.7	0.39	
7		6:00	0	33-40	Cooling Pond	209,808	6	4.7	0.14	
	6:00			41-48	Cooling Pond	629,424	18	4.7	0.41	
8		8:00	0	41-48	Cooling Pond	298,872	8	4.7	0.20	
	8:00			49-54	Cooling Pond	445,128	16	3.5	0.39	
9		8:00	0	49-54	Cooling Pond	197,397	8	3.5	0.17	
10			0							
11			0.15							
12			0							
13			0							
14			0							
15			0							
16			0							
17			0							
18			0							
19			0							
20			0							
21			0							
22			0.06							
23			0							
24			0							
25			0							
26	6:00	19:00	0	1-8	Cooling Pond	491,442	13	4.7	0.32	
	19:00			9-16	Cooling Pond	189,016	5	4.7	0.12	
27		18:00	0	9-16	Cooling Pond	690,158	18	4.7	0.45	
	18:00			17-24	Cooling Pond	230,053	6	4.7	0.15	
28		17:00	0	17-24	Cooling Pond	675,774	17	4.7	0.44	
	17:00			25-32	Cooling Pond	278,260	7	4.7	0.18	
29		10:00	0	25-32	Cooling Pond	406,132	10	4.7	0.27	
	10:00	22:00		33-40	Cooling Pond	487,359	12	4.7	0.32	
	22:00			41-48	Cooling Pond	81,226	2	4.7	0.05	
30		9:00	0	41-48	Cooling Pond	427,082	9	4.7	0.28	
31			0							
Total			0.21							

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	0
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³See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH March
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	Oats
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	
Expected Harvest Yield	3-3.5 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) ¹	BOD Loading Rate as an Irrigation Cycle Average (lb/ac/day) ²
1	0:00	22:00	0	1-10	Cooling Pond	713,969	22	6.7	0.33	
	22:00			11-20	Cooling Pond	64,906	2	6.7	0.03	
2		19:00	0	11-20	Cooling Pond	863,366	19	6.7	0.40	
	19:00			21-30	Cooling Pond	227,201	5	6.7	0.10	
3		17:00	0	21-30	Cooling Pond	792,966	17	6.7	0.36	
	17:00			31-40	Cooling Pond	326,515	7	6.7	0.15	
4		16:00	0	31-40	Cooling Pond	1,087,593	16	6.7	0.50	
5			0							
6			0							
7			0							
8			0							
9			0							
10			0							
11			0.15							
12			0							
13	15:00		0	1-10	Cooling Pond	302,517	9	6.7	0.14	
14		7:00	0	1-10	Cooling Pond	342,542	7	6.7	0.16	
	7:00	20:00		11-20	Cooling Pond	636,149	13	6.7	0.29	
	20:00			21-30	Cooling Pond	195,738	4	6.7	0.09	
15		7:00	0	21-30	Cooling Pond	336,270	7	6.7	0.15	
	7:00	17:00		31-40	Cooling Pond	480,385	10	6.7	0.22	
16			0							
17			0							
18			0							
19			0							
20			0							
21			0							
22			0.06							
23			0							
24			0							
25			0							
26	9:00	20:00	0	1-10	Cooling Pond	592,787	11	6.7	0.27	
	20:00			11-20	Cooling Pond	215,559	4	6.7	0.10	
27		9:00	0	11-20	Cooling Pond	491,921	9	6.7	0.23	
	9:00	19:00		21-30	Cooling Pond	546,579	10	6.7	0.25	
	19:00			31-40	Cooling Pond	273,289	5	6.7	0.13	
28		8:00	0	31-40	Cooling Pond	453,335	8	6.7	0.21	
29			0							
30			0							
31			0							
Total			0.21							

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 0

³See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH

March

 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

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	Oats
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	
Expected Harvest Yield	3-3.5 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) 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			0.15							
12			0							
13			0							
14			0							
15	18:00		0	1-7	Cooling Pond	262,420	6	6.1	0.13	
16		5:00	0	1-7	Cooling Pond	221,602	5	6.1	0.11	
	5:00	12:00		8-14	Cooling Pond	310,242	7	6.1	0.16	
	12:00	20:00		15-21	Cooling Pond	354,563	8	6.1	0.18	
	20:00			22-28	Cooling Pond	177,281	4	6.1	0.09	
17		6:00	0	22-28	Cooling Pond	265,922	6	6.1	0.13	
	6:00	15:00		28-35	Cooling Pond	398,883	9	6.1	0.20	
	15:00			35-42	Cooling Pond	398,883	9	6.1	0.20	
18		6:00	0	35-42	Cooling Pond	285,833	6	6.1	0.14	
19			0							
20			0							
21			0							
22			0.06							
23			0							
24			0							
25			0							
26			0							
27			0							
28			0							
29			0							
30			0							
31			0							
Total			0.21							

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

0

³See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH

March

 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)

MS18a

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	Oats
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	
Expected Harvest Yield	3-3.5 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			0							
4			0							
5	18:00		0	1-8	Cooling Pond	654,496	6	7.8	0.26	
6		6:00	0	1-8	Cooling Pond	348,192	6	7.8	0.14	
	6:00	17:00		9-16	Cooling Pond	638,352	11	7.8	0.25	
	17:00			17-24	Cooling Pond	406,224	7	7.8	0.16	
7		6:00	0	17-24	Cooling Pond	348,192	6	7.8	0.14	
	6:00	19:00		25-32	Cooling Pond	754,416	13	7.8	0.30	
	19:00			33-40	Cooling Pond	290,160	5	7.8	0.11	
8		6:00	0	33-40	Cooling Pond	372,000	6	7.8	0.15	
9			0							
10			0							
11			0.15							
12			0							
13			0							
14			0							
15			0							
16			0							
17			0							
18			0							
19			0							
20			0							
21			0							
22	6:00	18:00	0.06	1-8	Cooling Pond	628,127	12	7.8	0.25	
	18:00			9-16	Cooling Pond	314,064	6	7.8	0.12	
23		7:00	0	9-16	Cooling Pond	356,337	7	7.8	0.14	
	7:00	18:00		17-24	Cooling Pond	559,958	11	7.8	0.22	
	18:00			25-32	Cooling Pond	305,432	6	7.8	0.12	
24		7:00	0	25-32	Cooling Pond	350,193	7	7.8	0.14	
	7:00	20:00		33-40	Cooling Pond	650,359	13	7.8	0.26	
25			0							
26			0							
27			0							
28			0							
29			0							
30			0							
31			0							
Total			0.21							

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	0
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³See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH

March

 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)	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

MS18b

Crop Information

Crop Name	Oats
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	
Expected Harvest Yield	3-3.5 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			0							
4			0							
5			0							
6			0							
7			0							
8	6:00	16:00	0	1-8	Cooling Pond	620,000	10	7.8	0.24	
	16:00			9-16	Cooling Pond	496,000	8	7.8	0.20	
9		6:00	0	9-16	Cooling Pond	329,936	6	7.8	0.13	
	6:00	18:00		17-24	Cooling Pond	659,871	12	7.8	0.26	
	18:00			25-32	Cooling Pond	329,936	6	7.8	0.13	
10		7:00	0	25-32	Cooling Pond	272,756	7	7.8	0.11	
	7:00			33-40	Cooling Pond	662,406	17	7.8	0.26	
11		6:00	0.15	33-40	Cooling Pond	201,383	6	7.8	0.08	
12			0							
13			0							
14			0							
15			0							
16			0							
17			0							
18			0							
19			0							
20			0							
21			0							
22			0.06							
23			0							
24	20:00		0	1-8	Cooling Pond	200,110	4	7.8	0.08	
25		11:00	0	1-8	Cooling Pond	556,702	11	7.8	0.22	
	11:00			9-16	Cooling Pond	657,921	13	7.8	0.26	
26		6:00	0	9-16	Cooling Pond	376,424	6	7.8	0.15	
27			0							
28			0							
29			0							
30			0							
31			0							
Total			0.21							

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

0

³See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH

March

 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

MS20a

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

Field Irrigation Information

Area (acres)	32.3
Number of Checks	34
Check Width (feet)	30
Check Length (feet)**	1,250
Irrigation Application Days	N/A
Irrigation Resting Days	N/A
Irrigation Cycle Days	N/A

Crop Information

Crop Name	Oats
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	
Expected Harvest Yield	3-3.5 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) ¹	BOD Loading Rate as an Irrigation Cycle Average (lb/ac/day) ²
1	0:00		0	1-7	Cooling Pond	778,875	24	6.7	0.36	
2		8:00	0	1-7	Cooling Pond	363,522	8	6.7	0.17	
3			0							
4			0							
5			0							
6			0							
7			0							
8			0							
9			0							
10	15:00		0	15-21	Cooling Pond	301,230	9	6.7	0.14	
11		17:00	0.15	15-21	Cooling Pond	490,119	17	6.7	0.22	
	17:00			22-28	Cooling Pond	201,814	7	6.7	0.09	
12			0	22-28	Cooling Pond	662,677	24	6.7	0.30	
13		6:00	0	22-28	Cooling Pond	201,678	6	6.7	0.09	
	6:00			29-34	Cooling Pond	514,730	18	5.7	0.28	
14		16:00	0	29-34	Cooling Pond	666,094	16	5.7	0.36	
15			0							
16			0							
17			0							
18			0							
19	17:00		0	1-7	Cooling Pond	366,273	7	6.7	0.17	
20		18:00	0	1-7	Cooling Pond	890,143	18	6.7	0.41	
	18:00			15-21	Cooling Pond	296,714	6	6.7	0.14	
21		11:00	0	15-21	Cooling Pond	543,976	11	6.7	0.25	
	11:00			22-28	Cooling Pond	642,881	13	6.7	0.29	
22		6:00	0.06	22-28	Cooling Pond	269,773	6	6.7	0.12	
	6:00	20:00		22-28	Cooling Pond	629,470	14	6.7	0.29	
	20:00			29-34	Cooling Pond	153,005	4	5.7	0.08	
23		6:00	0	29-34	Cooling Pond	223,200	6	5.7	0.12	
24			0							
25			0							
26			0							
27			0							
28			0							
29			0							
30			0							
31			0							
Total			0.21							

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	0
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³See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH

March

 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)	32.3
Number of Checks	35
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

MS20b

Crop Information

Crop Name	Oats
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	
Expected Harvest Yield	3-3.5 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			0							
4			0							
5			0							
6			0							
7			0							
8			0							
9			0							
10			0							
11			0.15							
12			0							
13			0							
14	16:00		0	1-7	Cooling Pond	391,476	8	6.7	0.18	
15		8:00	0	1-7	Cooling Pond	384,308	8	6.7	0.18	
	8:00			8-14	Cooling Pond	768,617	16	6.7	0.35	
16		13:00	0	8-14	Cooling Pond	632,836	13	6.7	0.29	
	13:00			15-21	Cooling Pond	535,477	11	6.7	0.25	
17		19:00	0	15-21	Cooling Pond	924,914	19	6.7	0.42	
	19:00			22-28	Cooling Pond	243,398	5	6.7	0.11	
18		18:00	0	22-28	Cooling Pond	941,845	18	6.7	0.43	
	18:00			29-35	Cooling Pond	267,090	6	5.7	0.14	
19		17:00	0	29-35	Cooling Pond	756,756	17	5.7	0.41	
20			0							
21			0							
22			0.06							
23	6:00	17:00	0	1-7	Cooling Pond	480,989	11	6.7	0.22	
	17:00			8-14	Cooling Pond	306,084	7	6.7	0.14	
24		6:00	0	8-14	Cooling Pond	257,834	6	6.7	0.12	
	6:00			15-21	Cooling Pond	773,503	18	6.7	0.35	
25		5:00	0	15-21	Cooling Pond	217,360	5	6.7	0.10	
	5:00	20:00		22-28	Cooling Pond	652,081	15	6.7	0.30	
	20:00			29-35	Cooling Pond	147,935	4	5.7	0.08	
26		8:00	0	29-35	Cooling Pond	366,772	8	5.7	0.20	
27			0							
28			0							
29			0							
30			0							
31			0							
Total			0.21							

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 0

³See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH

March

 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)	25.9
Number of Checks	50
Check Width (feet)	30
Check Length (feet)**	750
Irrigation Application Days	N/A
Irrigation Resting Days	N/A
Irrigation Cycle Days	N/A

**Est based on Google Earth

MS21

Crop Information

Crop Name	Oats
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	
Expected Harvest Yield	3-3.5 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			0							
4			0							
5			0							
6			0							
7			0							
8			0							
9			0							
10			0							
11			0.15							
12			0							
13			0							
14			0							
15			0							
16			0							
17			0							
18			0							
19			0							
20			0							
21			0							
22			0.06							
23			0							
24			0							
25			0							
26			0							
27			0							
28			0							
29			0							
30			0							
31			0							
Total			0.21							

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

0

³See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH

March

 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

MS24a

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

Field Irrigation Information

Area (acres)	39.95
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

Crop Information

Crop Name	N/A
Crop ET (Inches)	
Total Nitrogen Demand (lb/ac)	
Anticipated Planting Date	
Actual Planting Date	
Anticipated Harvest Date	
Actual Harvest Date	
Expected Harvest Yield	
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) 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			0.15							
12			0							
13			0							
14			0							
15			0							
16			0							
17			0							
18			0							
19			0							
20			0							
21			0							
22			0.06							
23			0							
24			0							
25			0							
26			0							
27			0							
28			0							
29			0							
30			0							
31			0							
Total			0.21							

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

0

³See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH

March

 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

MS24b

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

Field Irrigation Information

Area (acres)	39.95
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

Crop Information

Crop Name	N/A
Crop ET (Inches)	
Total Nitrogen Demand (lb/ac)	
Anticipated Planting Date	
Actual Planting Date	
Anticipated Harvest Date	
Actual Harvest Date	
Expected Harvest Yield	
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) 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			0.15							
12			0							
13			0							
14			0							
15			0							
16			0							
17			0							
18			0							
19			0							
20			0							
21			0							
22			0.06							
23			0							
24			0							
25			0							
26			0							
27			0							
28			0							
29			0							
30			0							
31			0							
Total			0.21							

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

0

³See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH

March

 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

MS24c

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

Field Irrigation Information

Area (acres)	39.95
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

Crop Information

Crop Name	N/A
Crop ET (Inches)	
Total Nitrogen Demand (lb/ac)	
Anticipated Planting Date	
Actual Planting Date	
Anticipated Harvest Date	
Actual Harvest Date	
Expected Harvest Yield	
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) 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			0.15							
12			0							
13			0							
14			0							
15			0							
16			0							
17			0							
18			0							
19			0							
20			0							
21			0							
22			0.06							
23			0							
24			0							
25			0							
26			0							
27			0							
28			0							
29			0							
30			0							
31			0							
Total			0.21							

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

	0
--	---

³See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH

March

 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

MS24d

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

Field Irrigation Information

Area (acres)	39.95
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

Crop Information

Crop Name	N/A
Crop ET (Inches)	
Total Nitrogen Demand (lb/ac)	
Anticipated Planting Date	
Actual Planting Date	
Anticipated Harvest Date	
Actual Harvest Date	
Expected Harvest Yield	
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) 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			0.15							
12			0							
13			0							
14			0							
15			0							
16			0							
17			0							
18			0							
19			0							
20			0							
21			0							
22			0.06							
23			0							
24			0							
25			0							
26			0							
27			0							
28			0							
29			0							
30			0							
31			0							
Total			0.21							

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

	0
--	---

³See MRP footnote 5

MONTHLY MONITORING REPORT

DISCHARGER: Moring Star Packing Company, LP and Fred Gobel

MONTH

March
2015

FACILITY: Moring Star Tomato Packing Plant

COUNTY: Colusa

WDRs Order R5-2013-0144

LAND APPLICATION AREA MONITORING TOTAL NITROGEN LOADING RESULTS

LAA Field	Gobel	MS 1	MS 2	MS 3	MS 5	MS 6	MS 11	MS 14	MS 15	MS 16	MS 18a	MS 18b	MS 20a	MS 20b	MS 21	MS 24a	MS 24b	MS 24c	MS 24d
Acres of LAA Irrigated																			
Total Nitrogen Loading from Wastewater (lbs/ac/month)																			
Total Nitrogen Loading Rate from Settling Pond Solids (lbs/ac/month)																			
Total Nitrogen Loading Rate from Cooling Pond Solids (lbs/ac/month)																			
Total Nitrogen Loading Rate from Residual Solids (lbs/ac/month)																			
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 : Facility Not Processing, Land Application Monitoring N/A

MONTH	March
YEAR	2015

LAND APPLICATION AREA WASTEWATER INSPECTION MONITORING

Field No.		Technician	
Date		Weather	

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

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	March
YEAR	2015

RESIDUAL SOLIDS MONITORING : Facility Not Processing, Solids Monitoring N/A

Date	Type of Solids Generated	Volume of Solids Generated (tons)¹	Volume of Solids Disposed of Offsite (tons)	Offsite Solids Disposal Location²	Volume of Solids Disposed of Onsite (tons)	Onsite Solids Disposal Location³

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.

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	March
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												
Week 3												
Week 4												
Week 5	3/31/15	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

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
 www.aquasierra.com

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

Instrument ID 01
 Description FLOW METER

Serial Number A1J001295
 Model Number U SONIC R

Calibrated 5/30/2014
 Scheduled 5/30/2015
 Calibration ID 21526
 Certificate # 01
 Equipment ID

Department
 Manufacturer DREXEL BROOK
 Calibration Type INITIAL
 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	330.00	-1.26%	330.00	-1.26%
0.54	FEET H2O	1483.00	GPM	1,483.00	0.00%	1,483.00	0.00%
0.71	FEET H2O	2235.00	GPM	2,275.00	1.79%	2,275.00	1.79%
0.87	FEET H2O	3032.00	GPM	3,068.00	1.19%	3,068.00	1.19%

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>
101	ULTRASONIC TEST STAND	ASC	1076-10	ASC-04-KEN

Notes about this calibration

2.5' RECTANGULAR WEIR
 ZERO DISTANCE = 2.74'
 VERIFIED LEVEL READING AT WEIR

Calibration Result Calibration Successful
 Who Calibrated KEN LANE



INSTRUMENT CALIBRATION REPORT

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

Attn: JAMES BRISCO
 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 5/30/2014
 Scheduled 5/30/2015
 Calibration ID 21527
 Certificate # 02
 Equipment ID

Department
 Manufacturer DREXEL BROOK
 Calibration Type INITIAL
 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	299.00	-0.89%	299.00	-0.89%
0.41	FEET H2O	752.80	GPM	749.00	-0.50%	749.00	-0.50%
0.55	FEET H2O	1153.00	GPM	1,174.00	1.82%	1,174.00	1.82%
0.67	FEET H2O	1530.00	GPM	1,542.00	0.78%	1,542.00	0.78%

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>
101	ULTRASONIC TEST STAND	ASC	1076-10	ASC-04-KEN

Notes about this calibration

2' RECTANGULAR WEIR WITH END CONTRACTIONS
 ZERO DISTANCE = 32.6" OR 2.72'
 CHANNEL #2

Calibration Result Calibration Successful
 Who Calibrated KEN LANE



INSTRUMENT CALIBRATION REPORT

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

Attn: JAMES BRISCO
 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 5/30/2014
Scheduled 5/30/2015
Calibration ID 21524
Certificate # 03
Equipment ID

Department
Manufacturer DREXEL BROOK
Calibration Type INITIAL
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>End 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	340.00	1.74%	340.00 1.74%
0.54	FEET H2O	1483.00	GPM	1,476.00	-0.47%	1,476.00 -0.47%
0.71	FEET H2O	2235.00	GPM	2,228.00	-0.31%	2,228.00 -0.31%
0.87	FEET H2O	3032.00	GPM	3,048.00	0.53%	3,048.00 0.53%

<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>
101	ULTRASONIC TEST STAND	ASC	1076-10	ASC-04-KEN

Notes about this calibration
 2.5' RECTANGULAR WEIR
 CHANNEL #1
 ZERO DISTANCE MEASURED AT 3.13'
 VERIFIED LEVEL READING AT WEIR

Calibration Result Calibration Successful
Who Calibrated KEN LANE