



THE MORNING STAR PACKING COMPANY

724 Main Street, Woodland CA 95695

30 July 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 June 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 cooling pond monitoring results for June 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. The June 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.

As The Morning Star Packing Company – Williams is not processing the June 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 June 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 June 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 June 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).

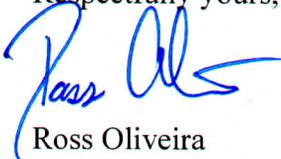
As The Morning Star Packing Company – Williams is not processing, there are no laboratory analytical reports to be submitted.

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

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

MONTH

June

 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	Technican'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	6/30/15	8:30 AM	6.4	7.80	2	None	Good	JL

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
COUNTY: Colusa
WDRs Order: R5-2013-0144

MONTH June
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	480,000	0	0	0	-	0	
2	1,440,000	0	0	0	-	0	
3	1,440,000	0	0	0	-	0	
4	1,440,000	0	0	0	-	0	
5	1,440,000	0	0	0	-	0	
6	1,440,000	0	0	0	-	0	
7	1,440,000	0	0	0	-	0	
8	1,440,000	0	0	0	-	0	
9	1,440,000	0	0	0	-	0	
10	1,440,000	0	0	0	-	0	
11	1,440,000	0	0	0	-	0	
12	1,440,000	0	0	0	-	0	
13	1,440,000	0	0	0	-	0	
14	1,440,000	0	0	0	-	0	
15	1,440,000	0	0	0	-	0	
16	1,440,000	0	0	0	-	0	
17	1,440,000	0	0	0	-	0	
18	1,440,000	0	0	0	-	0	
19	1,440,000	0	0	0	-	0	
20	1,440,000	0	0	0	-	0	
21	1,440,000	0	0	0	-	0	
22	1,440,000	0	0	0	-	0	
23	1,440,000	0	0	0	-	0	
24	1,440,000	0	0	0	-	0	
25	1,440,000	0	0	0	-	0	
26	1,320,000	0	0	0	-	0	
27	0	0	0	0	-	0	
28	0	0	0	0	-	0	
29	0	0	0	0	-	0	
30	0	0	0	0	-	0	
31	0	0	0	0	-	0	
Total Monthly Flow (MG)	36,360,000	0	0	0		0	
Average Daily Flow (MGD)	1,172,903	0	0	0		0	
Cumulative Annual Flow to Date (MG)	36,360,000	0	0	0		0	

Attachment C

MONTHLY MONITORING REPORT

DISCHARGER: Morning Star Packing Company, LP and Fred Gobel

FACILITY: Morning Star Tomato Packing Plant

MONTH

June

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			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.

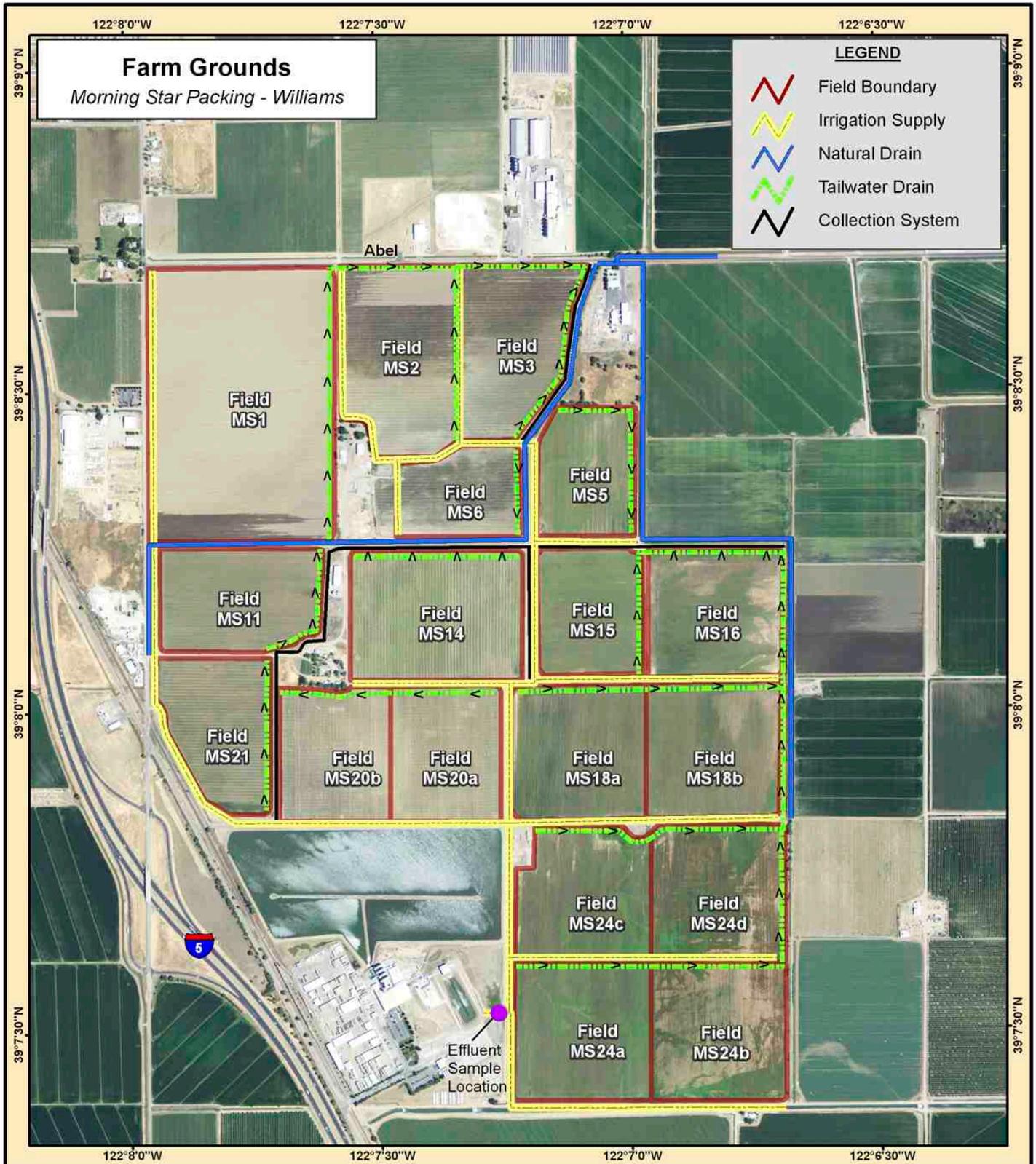
Average BOD Concentration (mg/L)¹	
Average Monthly Total Nitrogen Concentration (mg/L)²	
Monthly Average FDS Concentration (mg/L)	
Flow Weighted Average FDS Concentration to Date (mg/L)³	

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



Farm Grounds
Morning Star Packing - Williams

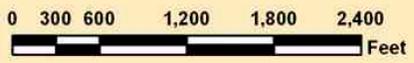
LEGEND

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



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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

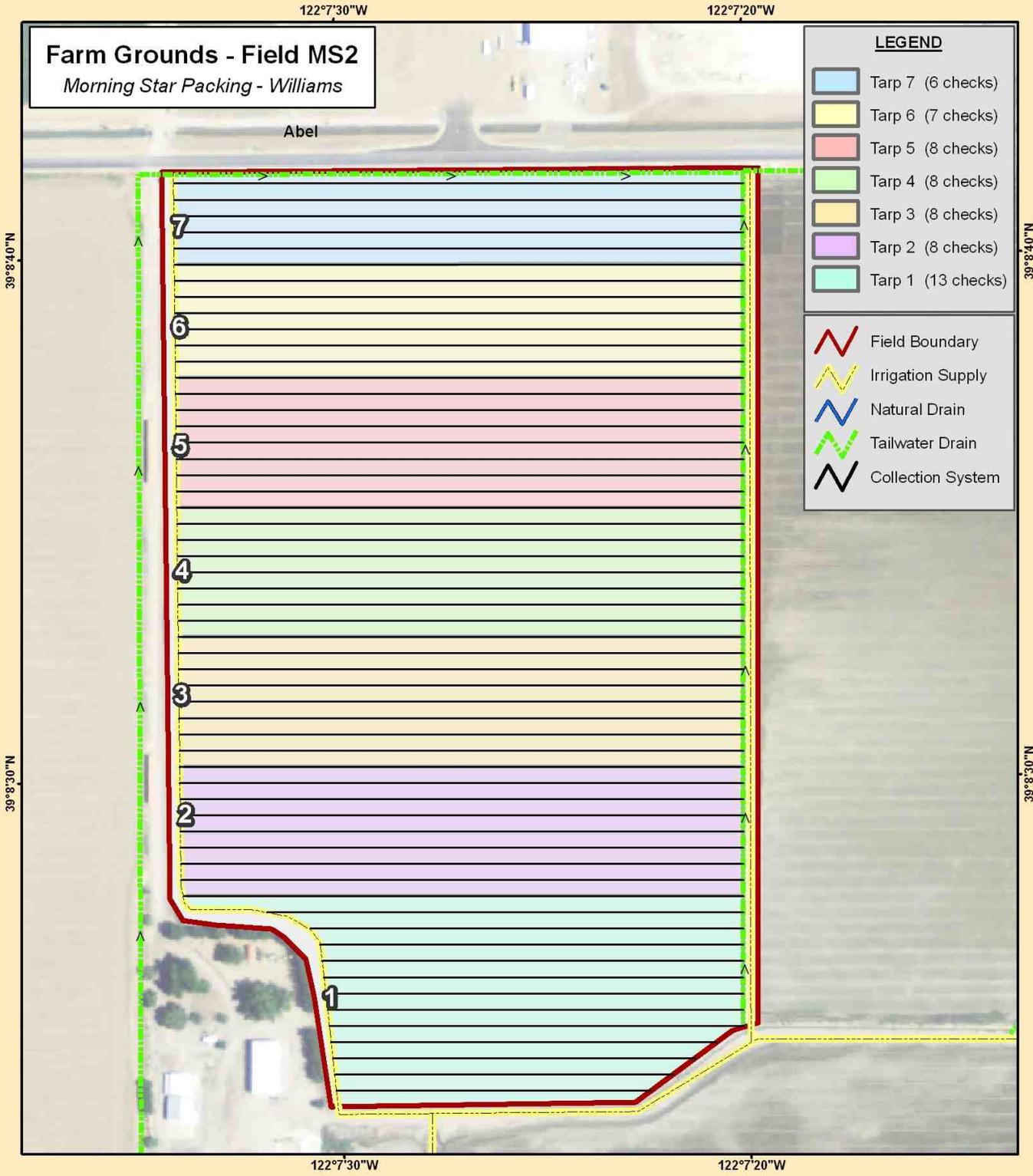
Farm Grounds - Field MS2
Morning Star Packing - Williams

Abel

LEGEND

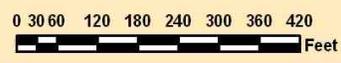
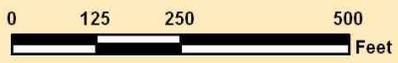
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-  Tarp 6 (7 checks)
-  Tarp 5 (8 checks)
-  Tarp 4 (8 checks)
-  Tarp 3 (8 checks)
-  Tarp 2 (8 checks)
-  Tarp 1 (13 checks)

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



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



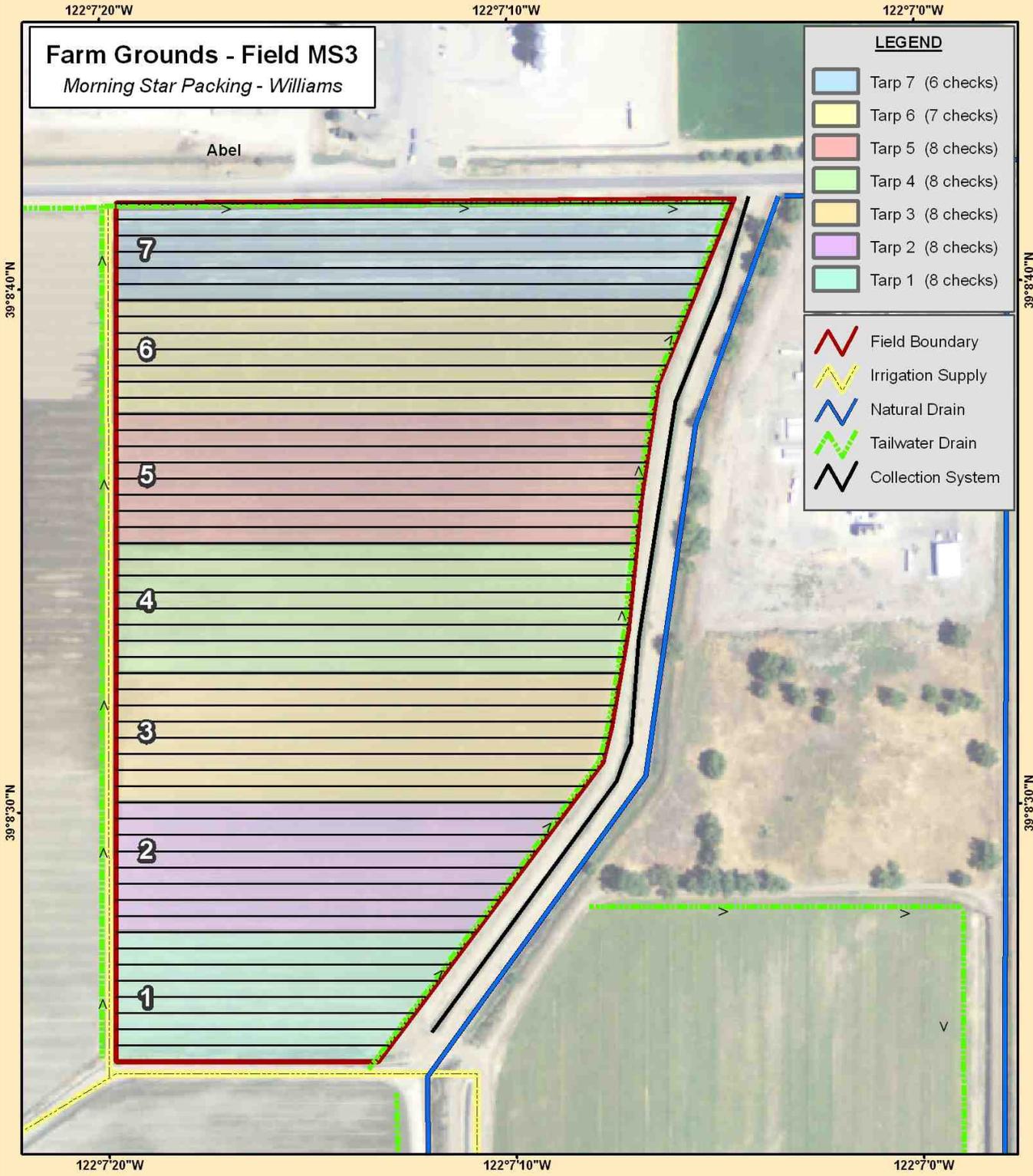
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Aerial Photography: Summer 2012
Projection: UTM Zone 10N, NAD 83
State of California: Colusa County

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

Farm Grounds - Field MS3
Morning Star Packing - Williams

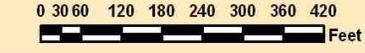
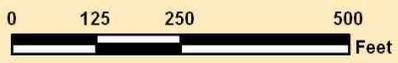
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 -  Tarp 5 (8 checks)
 -  Tarp 4 (8 checks)
 -  Tarp 3 (8 checks)
 -  Tarp 2 (8 checks)
 -  Tarp 1 (8 checks)
-
-  Field Boundary
 -  Irrigation Supply
 -  Natural Drain
 -  Tailwater Drain
 -  Collection System



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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:
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Map Date: March 24, 2014
Map ID: CMS2014-044

Farm Grounds - Field MS5
Morning Star Packing - Williams

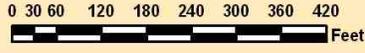
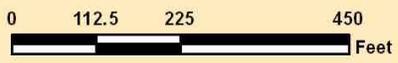
LEGEND

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-  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



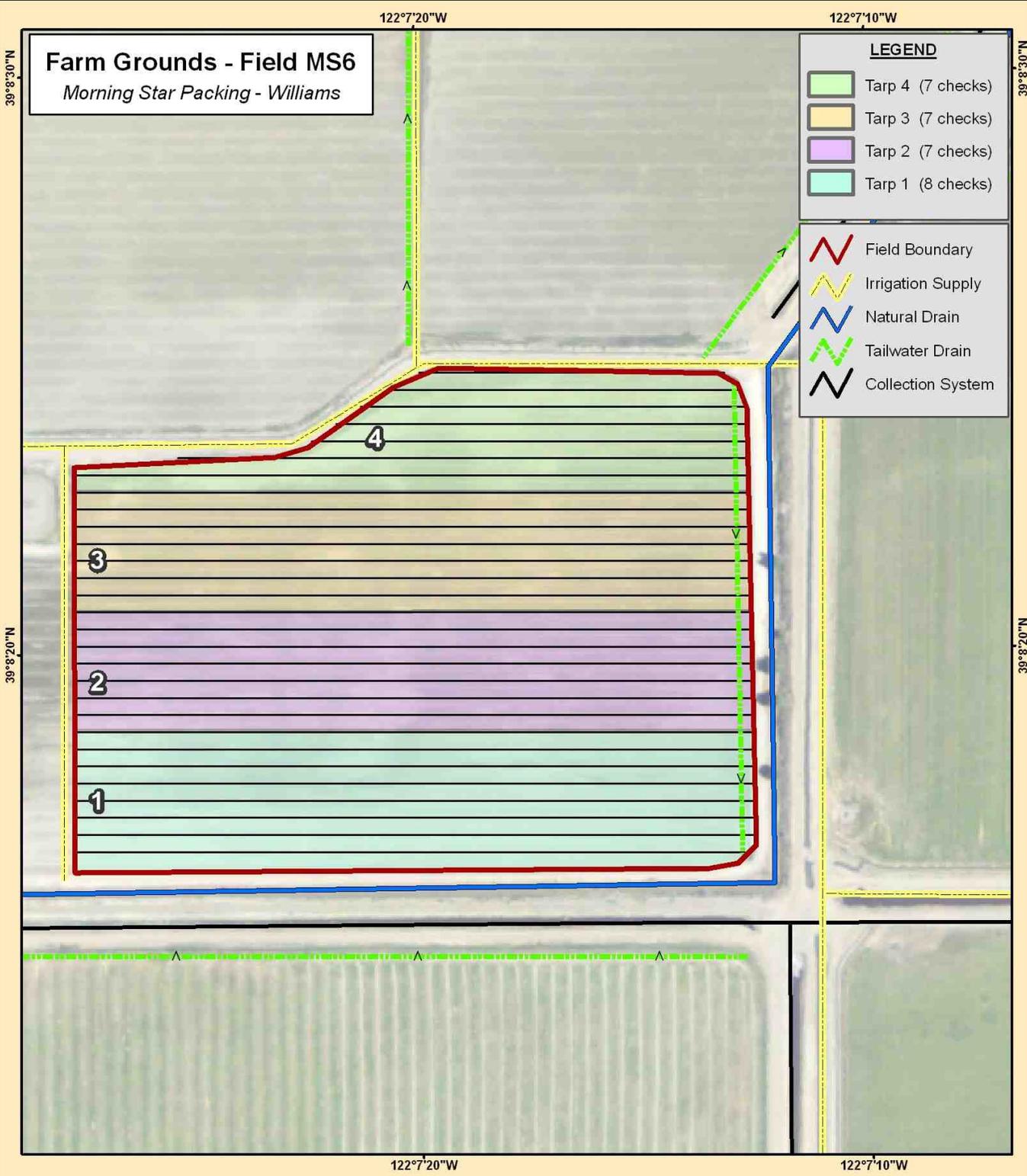
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Aerial Photography: Summer 2012
Projection: UTM Zone 10N, NAD 83
State of California: Colusa County

Map Source:
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Map Date: March 24, 2014
Map ID: CMS2014-049

Farm Grounds - Field MS6
Morning Star Packing - Williams

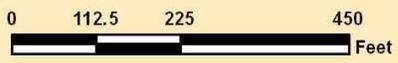
LEGEND

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



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



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

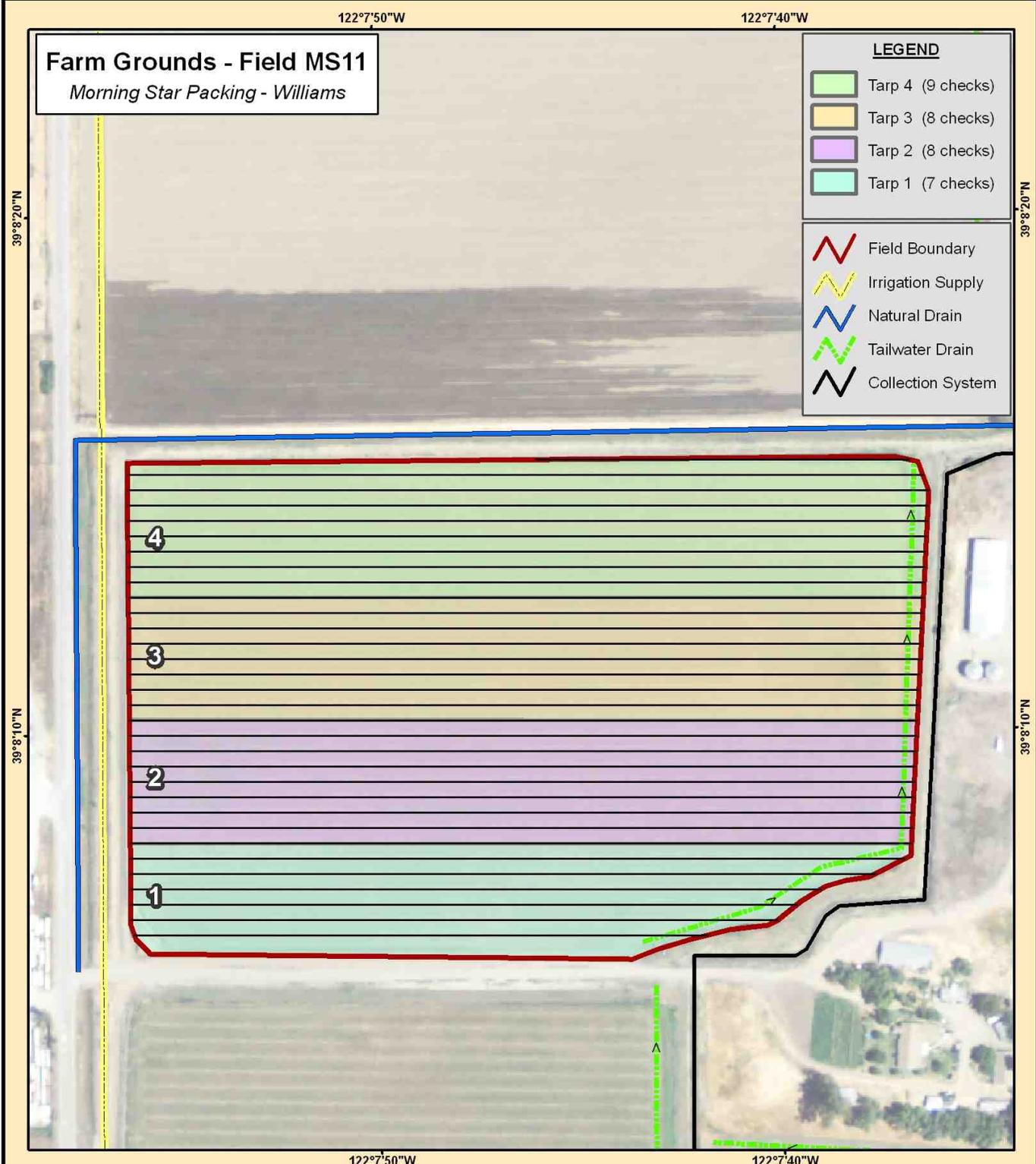
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Custom Mapping Services, L.L.C.
Prairieville, LA (225) 677-7207
Map Date: March 24, 2014
Map ID: CMS2014-047

Farm Grounds - Field MS11
Morning Star Packing - Williams

LEGEND

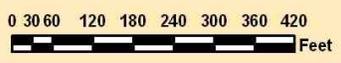
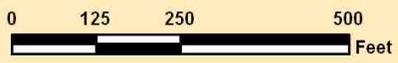
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-  Tarp 1 (7 checks)

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



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



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

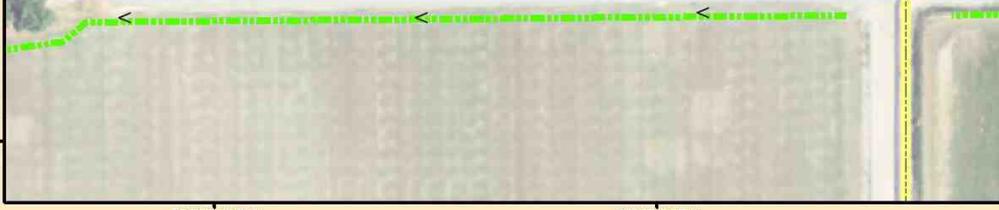
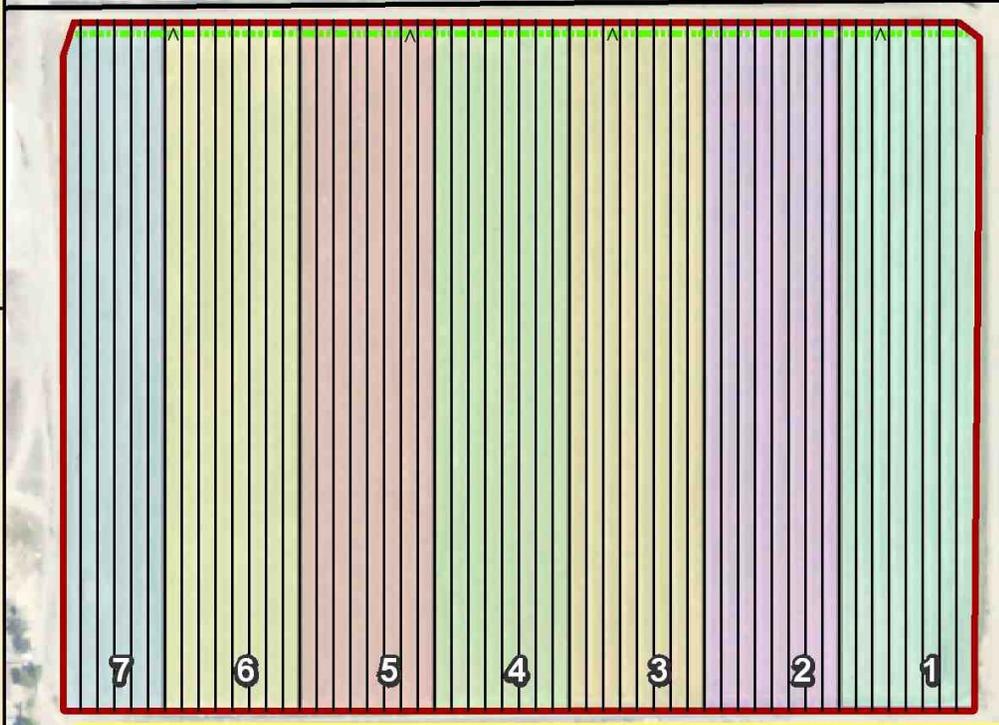
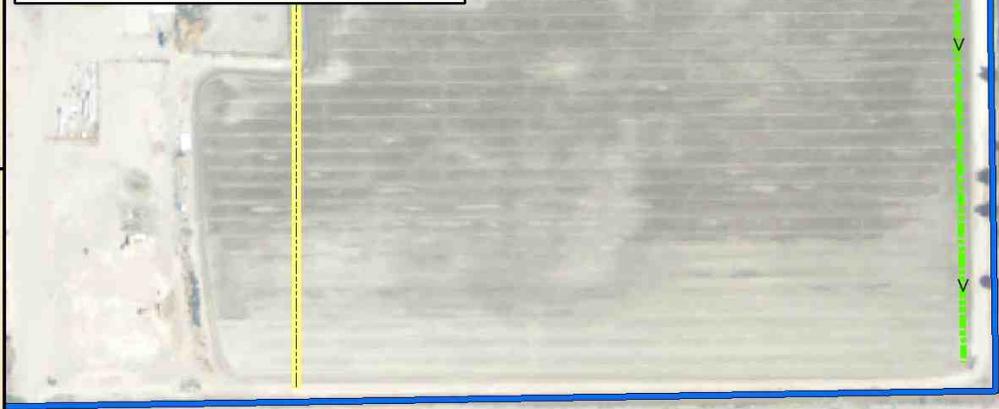
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 Prairieville, LA (225) 677-7207
 Map Date: March 24, 2014
 Map ID: CMS2014-048

Farm Grounds - Field MS14
Morning Star Packing - Williams

LEGEND

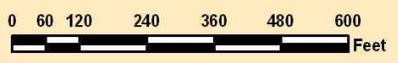
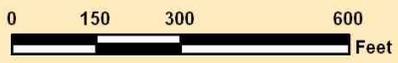
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-  Tarp 3 (8 checks)
-  Tarp 2 (8 checks)
-  Tarp 1 (8 checks)

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



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



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

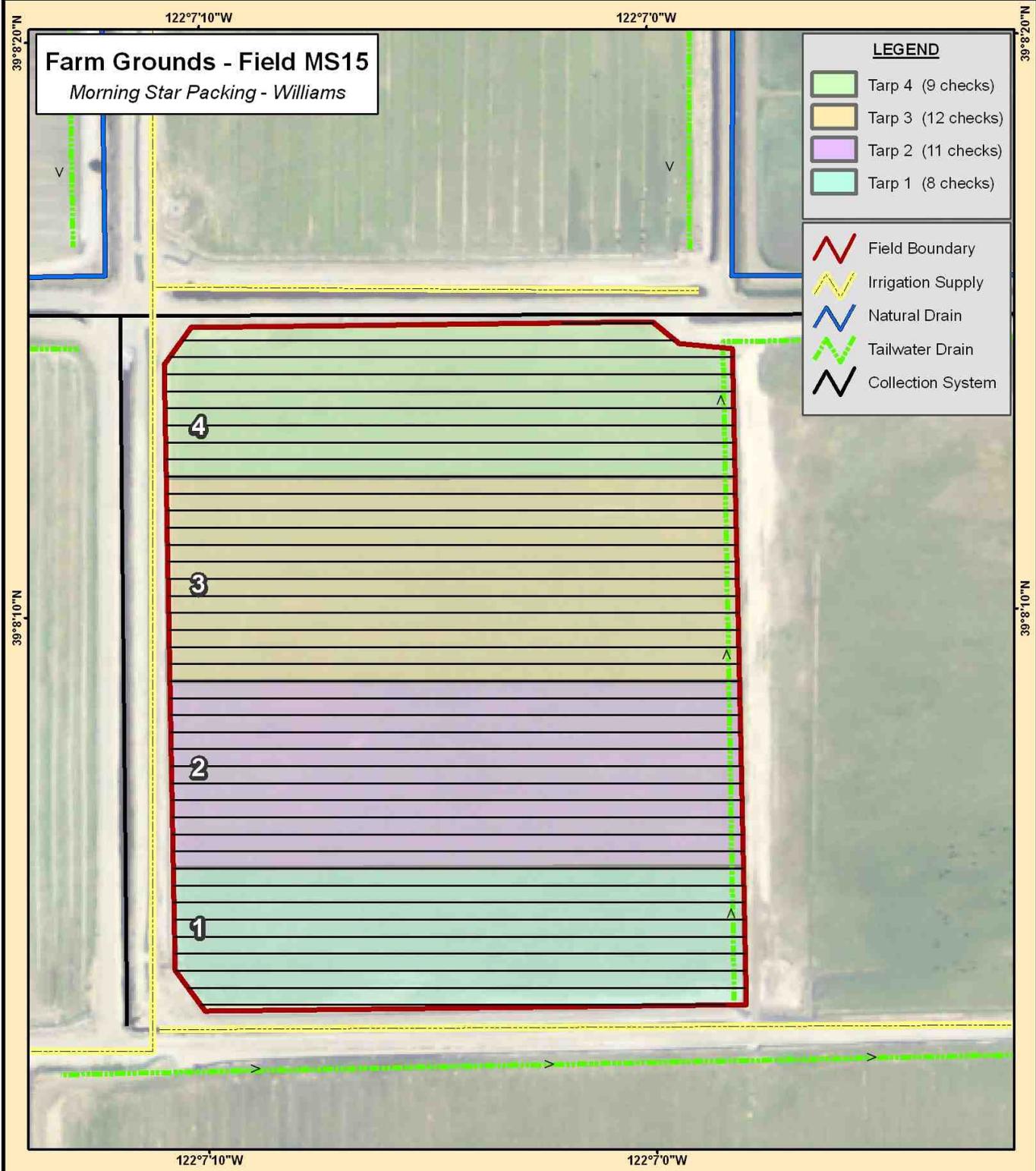
Map Source:
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Prairieville, LA (225) 677-7207
Map Date: March 24, 2014
Map ID: CMS2014-050

Farm Grounds - Field MS15
Morning Star Packing - Williams

LEGEND

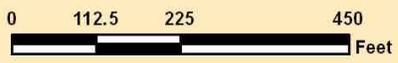
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-  Tarp 2 (11 checks)
-  Tarp 1 (8 checks)

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



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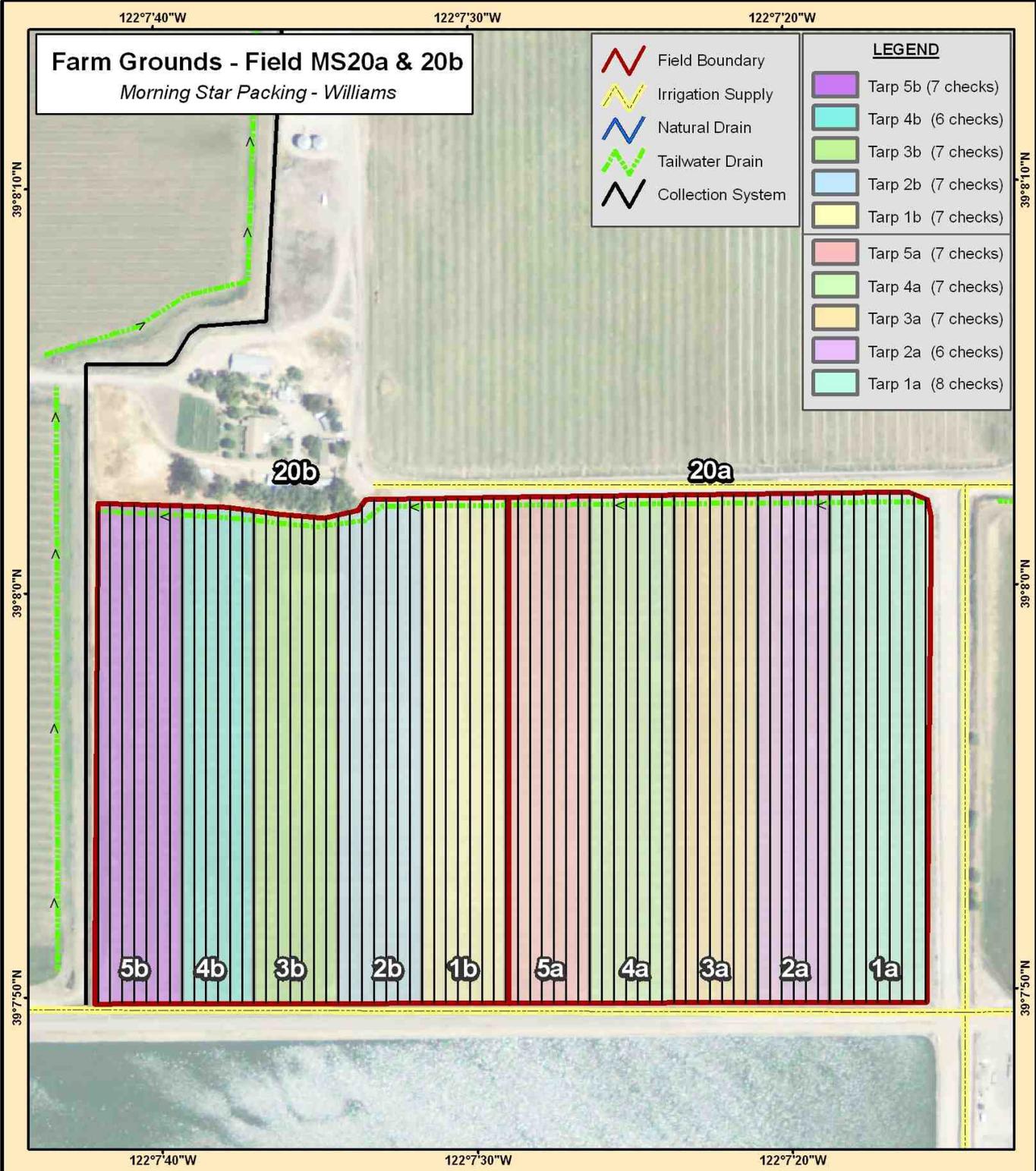
Data Source:
Aerial Photography: Summer 2012
Projection: UTM Zone 10N, NAD 83
State of California: Colusa County

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

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

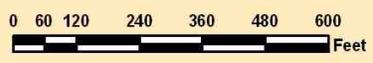
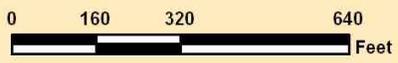
-  Field Boundary
-  Irrigation Supply
-  Natural Drain
-  Tailwater Drain
-  Collection System

LEGEND	
	Tarp 5b (7 checks)
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	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

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

39°8'0"N

39°8'0"N

39°7'50"N

39°7'50"N

122°7'50"W

122°7'40"W



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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 June
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

MS2

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	
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 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	17:00		0	1-7	Supplemental	233,983	7	5	0.14	
2		18:00	0	1-7	Supplemental	562,500	18	5	0.35	
3	18:00	16:00	0	8-14	Supplemental	187,500	6	5	0.12	
	16:00			15-21	Supplemental	500,000	16	5	0.31	
4		13:00	0	15-21	Supplemental	250,000	8	5	0.15	
	13:00			22-28	Supplemental	406,250	13	5	0.25	
5		5:00	0	22-28	Supplemental	343,750	11	5	0.21	
	5:00	23:00		29-35	Supplemental	156,250	5	5	0.10	
	23:00			36-42	Supplemental	562,500	18	5	0.35	
6		18:00	0	36-42	Supplemental	31,250	1	5	0.02	
	18:00			43-48	Supplemental	562,500	18	5	0.35	
7		18:00	0	43-48	Supplemental	187,500	6	5	0.12	
	18:00			49-58	Supplemental	366,620	18	5	0.23	
8		19:00	0	49-58	Supplemental	173,533	6	7.1	0.08	
9			0			460,213	19	7.1	0.20	
10			0.01							
11			0							
12			0							
13			0							
14			0							
15			0							
16			0							
17			0							
18			0							
19			0							
20			0							
21			0							
22			0							
23			0							
24			0							
25			0							
26			0							
27			0							
28			0							
29			0							
30			0							
31			0							
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	0
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³See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH

June

 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

**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	
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	16:00		0	1-6	Supplemental	246,017	8	4.6	0.16	
2		14:00	0	1-6	Supplemental	402,500	14	4.6	0.96	
3	14:00	13:00	0	7-12	Supplemental	287,500	10	4.6	0.19	
				7-12	Supplemental	373,750	13	4.6	0.25	
4	13:00	15:00	0	13-18	Supplemental	316,250	11	4.6	0.21	
				13-18	Supplemental	431,250	15	4.6	0.29	
	15:00			19-24	Supplemental	258,750	9	4.6	0.17	
5		16:00	0	19-24	Supplemental	460,000	16	4.6	0.31	
	16:00			25-30	Supplemental	230,000	8	4.6	0.15	
6		17:00	0	25-30	Supplemental	488,750	17	4.6	0.33	
	17:00			31-36	Supplemental	201,250	7	4.6	0.13	
7		23:00	0	31-36	Supplemental	430,982	23	4.6	0.29	
	23:00			37-42	Supplemental	18,738	1	4.6	0.01	
8			0	37-42	Supplemental	376,631	24	4.6	0.25	
9		6:00	0	37-42	Supplemental	91,492	6	4.6	0.06	
	6:00			43-53	Supplemental	417,680	18	7.0	0.18	
10		14:00	0.01	43-53	Supplemental	372,545	14	7.0	0.16	
11			0							
12			0							
13			0							
14			0							
15			0							
16			0							
17			0							
18			0							
19			0							
20			0							
21			0							
22			0							
23			0							
24			0							
25			0							
26			0							
27			0							
28			0							
29			0							
30			0							
31			0							
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

0

³See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH

June

 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	
Expected Harvest Yield	3 tons/acre
Actual Harvest Yield	

Cattle Grazing Schedule

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

**Est based on Google Earth

Day of Month	Start Time	End Time	Precipitation (Inches)	Names of Checks Irrigated Each Day	Types of Water Applied (wastewater, cooling water, supplemental irrigation)	Estimated Flow Rate to Each Check (gpm)	Total Irrigation Hours for Each Check	Area (acres)	Total Volume of Water Applied to Each Check (inches) 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			0.01							
11			0							
12			0							
13	10:00		0	1-7	Supplemental	396,055	14	5.1	0.24	
14		0.375	0	1-7	Supplemental	259,811	9	5.1	0.16	
	9:00			8-14	Supplemental	433,019	15	5.1	0.26	
15		12:00	0	8-14	Supplemental	346,415	12	5.1	0.21	
	12:00			15-21	Supplemental	346,415	12	5.1	0.21	
16		8:00	0	15-21	Supplemental	157,428	8	5.1	0.09	
	8:00			22-28	Supplemental	314,855	16	5.1	0.19	
17		10:00	0	22-28	Supplemental	180,976	10	5.1	0.11	
	10:00			29-34	Supplemental	228,526	14	4.6	0.15	
		14:00		29-34	Supplemental	220,433	14	4.6	0.15	
18			0							
19			0							
20			0							
21			0							
22			0							
23			0							
24			0							
25			0							
26			0							
27			0							
28			0							
29			0							
30			0							
31			0							
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 June
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	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	
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			0							
4			0							
5			0							
6			0							
7			0							
8	20:00		0	1-7	Supplemental	70,959	4	5.2	0.04	
9		18:00	0	1-7	Supplemental	310,276	18	5.2	0.18	
	18:00			8-14	Supplemental	103,425	6	5.2	0.06	
10		22:00	0.01	8-14	Supplemental	434,889	22	5.2	0.26	
	22:00			15-21	Supplemental	39,535	2	5.2	0.02	
11			0	15-21	Supplemental	640,000	24	5.2	0.38	
12		2:00	0	15-21	Supplemental	50,560	2	5.2	0.03	
	2:00			22-29	Supplemental	631,033	22	5.9	0.33	
13		8:00	0	22-29	Supplemental	261,818	8	5.9	0.14	
14			0							
15			0							
16			0							
17			0							
18			0							
19			0							
20			0							
21			0							
22			0							
23			0							
24			0							
25			0							
26			0							
27			0							
28			0							
29			0							
30			0							
31			0							
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 0

³See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH

June

 YEAR

2015

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

LAND APPLICATION AREA MONITORING RESULTS FOR FIELD NAME

MS11

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

Field Irrigation Information

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

Crop Information

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

Cattle Grazing Schedule

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

**Est based on Google Earth

Day of Month	Start Time	End Time	Precipitation (Inches)	Names of Checks Irrigated Each Day	Types of Water Applied (wastewater, cooling water, supplemental irrigation)	Estimated Flow Rate to Each Check (gpm)	Total Irrigation Hours for Each Check	Area (acres)	Total Volume of Water Applied to Each Check (inches) 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			0.01							
11			0							
12			0							
13			0							
14			0							
15			0							
16			0							
17			0							
18			0							
19			0							
20			0							
21			0							
22			0							
23			0							
24			0							
25			0							
26			0							
27			0							
28			0							
29			0							
30			0							
31			0							
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

0

³See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH

June

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

**Est based on Google Earth

MS14

Crop Information

Crop Name	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

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			0.01							
11			0							
12			0							
13			0							
14			0							
15			0							
16	6:00		0	1-8	Supplemental	458,392	18	6.6	0.21	
17		16:00	0	1-8	Supplemental	374,726	16	6.6	0.17	
	16:00			9-16	Supplemental	187,363	8	6.6	0.09	
18		16:00	0	9-16	Supplemental	361,455	16	6.6	0.17	
	11:00			17-24	Supplemental	293,682	13	6.6	0.14	
19			0	17-24	Supplemental	555,789	24	6.6	0.26	
20		4:00	0	17-24	Supplemental	96,585	4	6.6	0.04	
	4:00			25-32	Supplemental	482,927	20	6.6	0.22	
21		7:00	0	25-32	Supplemental	168,000	7	6.6	0.08	
	7:00			33-40	Supplemental	408,000	17	6.6	0.19	
22		13:00	0	33-40	Supplemental	317,614	13	6.6	0.15	
	13:00			41-48	Supplemental	268,751	11	6.6	0.12	
23		17:00	0	41-48	Supplemental	493,488	17	6.6	0.23	
	17:00			49-54	Supplemental	150,861	7	4.9	0.09	
24		23:00	0	49-54	Supplemental	683,318	23	4.9	0.43	
25			0							
26			0							
27			0							
27			0							
28			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

0

³See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH
 YEAR

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							
2			0							
3			0							
4			0							
5			0							
6			0							
7			0							
8			0							
9			0							
10			0.01							
11			0							
12			0							
13			0							
14			0							
15			0							
16			0							
17			0							
18	17:00		0	1-7	Supplemental	112,612	7	4.7	0.07	
19		10:00	0	1-7	Supplemental	164,912	10	4.7	0.11	
	10:00			8-14	Supplemental	230,877	14	4.7	0.15	
20		6:00	0	8-14	Supplemental	103,171	6	4.7	0.07	
	6:00			15-21	Supplemental	309,512	18	4.7	0.20	
21		1:00	0	15-21	Supplemental	17,091	1	4.7	0.01	
	1:00	21:00		22-28	Supplemental	341,818	20	4.7	0.22	
	21:00			29-35	Supplemental	51,273	3	4.7	0.03	
22		19:00	0	29-35	Supplemental	330,571	19	4.7	0.22	
	19:00			36-40	Supplemental	61,080	5	3.3	0.06	
23		17:00	0	36-40	Supplemental	246,744	17	3.3	0.23	
24			0							
25			0							
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

³See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH
 YEAR

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)	<input type="text" value="36.7"/>
Number of Checks	<input type="text" value="*42"/>
Check Width (feet)	<input type="text" value="30"/>
Check Length (feet)**	<input type="text" value="1,240"/>
Irrigation Application Days	<input type="text" value="N/A"/>
Irrigation Resting Days	<input type="text" value="N/A"/>
Irrigation Cycle Days	<input type="text" value="N/A"/>

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

Crop Information

Crop Name	<input type="text" value="Sudan Grass"/>
Crop ET (Inches)	<input type="text"/>
Total Nitrogen Demand (lb/ac)	<input type="text"/>
Anticipated Planting Date	<input type="text" value="5/18/15"/>
Actual Planting Date	<input type="text" value="5/23/15"/>
Anticipated Harvest Date	<input type="text" value="7/15, 9/15"/>
Actual Harvest Date	<input type="text"/>
Expected Harvest Yield	<input type="text" value="3 tons/acre"/>
Actual Harvest Yield	<input type="text"/>

Cattle Grazing Schedule

Number of Cattle on Field	<input type="text" value="0"/>
Cattle Grazing Start Date	<input type="text" value="N/A"/>
Cattle Grazing End Date	<input type="text" value="N/A"/>
BOD Mass/Head (lb/day/head)	<input type="text" value="N/A"/>
Nitrogen Mass/Head (lb/day/head)	<input type="text" value="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			0.01							
11			0							
12			0							
13			0							
14			0							
15			0							
16			0							
17			0							
18			0							
19			0							
20	14:00		0	1-6	Supplemental	190,244	10	5.2	0.11	
21		15:00	0	1-6	Supplemental	283,636	15	5.2	0.17	
	15:00			7-12	Supplemental	170,182	9	5.2	0.10	
22		13:00	0	7-12	Supplemental	250,242	13	5.2	0.15	
	13:00			13-18	Supplemental	211,743	11	5.2	0.12	
23		11:00	0	13-18	Supplemental	251,582	11	5.2	0.15	
	11:00			19-24	Supplemental	297,324	13	5.2	0.18	
24		12:00	0	19-24	Supplemental	378,341	12	5.2	0.22	
	12:00			25-30	Supplemental	378,341	12	5.2	0.22	
25		10:00	0	25-30	Supplemental	600,000	10	5.2	0.35	
	10:00			31-36	Supplemental	840,000	14	5.2	0.50	
26		7:00	0	31-36	Supplemental	420,000	7	5.2	0.25	
	7:00	22:00		37-42	Supplemental	900,000	15	5.2	0.53	
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

³See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH

June

 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*	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

MS18a

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	
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			0							
4			0							
5			0							
6			0							
7	7:00		0	1-7	Supplemental	450,127	17	6.5	0.21	
8		5:00	0	1-7	Supplemental	110,874	5	6.5	0.05	
	5:00			8-14	Supplemental	421,322	19	6.5	0.20	
9		6:00	0	8-14	Supplemental	129,282	6	6.5	0.06	
	6:00			15-21	Supplemental	387,845	18	6.5	0.18	
10		7:00	0.01	15-21	Supplemental	172,967	7	6.5	0.08	
	7:00			22-28	Supplemental	420,063	17	6.5	0.20	
11		10:00	0	22-28	Supplemental	333,333	10	6.5	0.16	
	10:00			29-35	Supplemental	466,667	14	6.5	0.22	
12		12:00	0	29-35	Supplemental	379,203	12	6.5	0.18	
	12:00			36-42	Supplemental	379,203	12	6.5	0.18	
13		9:00	0	36-42	Supplemental	324,499	9	6.5	0.15	
14			0							
15			0							
16			0							
17			0							
18			0							
19			0							
20			0							
21			0							
22			0							
23			0							
24			0							
25			0							
26			0							
27			0							
28			0							
29			0							
30			0							
31			0							
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

0

³See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH

June

 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	
Expected Harvest Yield	3 tons/acre
Actual Harvest Yield	

Cattle Grazing Schedule

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

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

Day of Month	Start Time	End Time	Precipitation (Inches)	Names of Checks Irrigated Each Day	Types of Water Applied (wastewater, cooling water, supplemental irrigation)	Estimated Flow Rate to Each Check (gpm)	Total Irrigation Hours for Each Check	Area (acres)	Total Volume of Water Applied to Each Check (inches) 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			0.01							
11			0							
12			0							
13	9:00		0	1-6	Supplemental	457,627	15	5.5	0.26	
14		7:00	0	1-6	Supplemental	217,925	7	5.5	0.12	
	7:00		0	7-12	Supplemental	529,245	17	5.5	0.30	
15		6:00	0	7-12	Supplemental	186,792	6	5.5	0.10	
	6:00		0	13-18	Supplemental	560,377	18	5.5	0.31	
16		2:00	0	13-18	Supplemental	42,444	2	5.5	0.02	
	2:00		0	19-24	Supplemental	466,881	22	5.5	0.26	
17		6:00	0	19-24	Supplemental	117,102	6	5.5	0.07	
	6:00		0	25-30	Supplemental	351,306	18	5.5	0.20	
18		13:00	0	25-30	Supplemental	244,735	13	5.5	0.14	
	13:00		0	31-36	Supplemental	207,083	11	5.5	0.12	
19		16:00	0	31-36	Supplemental	308,772	16	5.5	0.17	
	16:00		0	37-43	Supplemental	179,649	8	6.4	0.09	
20		11:00	0	37-43	Supplemental	257,561	11	6.4	0.12	
21			0							
22			0							
23			0							
24			0							
25			0							
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	0
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³See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH

June

 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							
2			0							
3			0							
4			0							
5			0							
6			0							
7			0							
8			0							
9			0							
10			0.01							
11			0							
12			0							
13			0							
14			0							
15			0							
16			0							
17			0							
18			0							
19			0							
20			0							
21			0							
22			0							
23			0							
24			0							
25			0							
26			0							
27			0							
28			0							
29			0							
30			0							
31			0							
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

0

³See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH

June

 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			0.01							
11			0							
12			0							
13			0							
14			0							
15			0							
16			0							
17			0							
18			0							
19			0							
20			0							
21			0							
22			0							
23			0							
24			0							
25			0							
26			0							
27			0							
28			0							
29			0							
30			0							
31			0							
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

0

³See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH

June

 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			0.01							
11			0							
12			0							
13			0							
14			0							
15			0							
16			0							
17			0							
18			0							
19			0							
20			0							
21			0							
22			0							
23			0							
24			0							
25			0							
26			0							
27			0							
28			0							
29			0							
30			0							
31			0							
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

0

³See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH

June

 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			0.01							
11			0							
12			0							
13			0							
14			0							
15			0							
16			0							
17			0							
18			0							
19			0							
20			0							
21			0							
22			0							
23			0							
24			0							
25			0							
26			0							
27			0							
28			0							
29			0							
30			0							
31			0							
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

0

³See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH

June

 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			0.01							
11			0							
12			0							
13			0							
14			0							
15			0							
16			0							
17			0							
18			0							
19			0							
20			0							
21			0							
22			0							
23			0							
24			0							
25			0							
26			0							
27			0							
28			0							
29			0							
30			0							
31			0							
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

0

³See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH

June

 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			0.01							
11			0							
12			0							
13			0							
14			0							
15			0							
16			0							
17			0							
18			0							
19			0							
20			0							
21			0							
22			0							
23			0							
24			0							
25			0							
26			0							
27			0							
28			0							
29			0							
30			0							
31			0							
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

	0
--	---

³See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH

June

 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)

MS24d

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			0.01							
11			0							
12			0							
13			0							
14			0							
15			0							
16			0							
17			0							
18			0							
19			0							
20			0							
21			0							
22			0							
23			0							
24			0							
25			0							
26			0							
27			0							
28			0							
29			0							
30			0							
31			0							
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

	0
--	---

³See MRP footnote 5

MONTHLY MONITORING REPORT

DISCHARGER: Moring Star Packing Company, LP and Fred Gobel

MONTH

June
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)																9	9	9	9
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	June
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	June
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

June

 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	6/30/15	8:30	4.0	4.1	N/A	10.0	9.8	N/A	6.4	N/A	N/A	JL

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



INSTRUMENT CALIBRATION REPORT

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

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

Instrument ID 01
Description FLOW METER

Serial Number AU022588
Model Number U SONIC R

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

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

Calibration Specifications

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

Test Instruments Used During the Calibration

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

Notes about this calibration

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

Calibration Result Calibration Successful

Who Calibrated JOHN TURNER



INSTRUMENT CALIBRATION REPORT

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

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

Instrument ID 02
Description FLOW METER

Serial Number A1J000210
Model Number U SONIC R

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

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

Calibration Specifications

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

Test Instruments Used During the Calibration

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

Notes about this calibration

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

Calibration Result Calibration Successful

Who Calibrated JOHN TURNER



INSTRUMENT CALIBRATION REPORT

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

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

Instrument ID 03
Description FLOW METER

Serial Number A1J000210
Model Number U SONIC R

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

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

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

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