

## Childs, Guy@Waterboards

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**From:** Niraj Raj <nraj@morningstarco.com>  
**Sent:** Wednesday, October 14, 2015 11:34 PM  
**To:** Childs, Guy@Waterboards; Wyels, Wendy@Waterboards; Kuljeet Mundi  
**Cc:** building@cityofwilliams.org; Ross Oliveira; Hold, Howard@Waterboards; Jesse Kang; Norma Avila; Suzie Dawley; Brian Redlich  
**Subject:** RE: Re: Morning Star Daily Assessment for 14 October 2015  
**Attachments:** img-151015041716.pdf

Regards,

Niraj Raj  
The Morning Star Company  
724 Main Street  
Woodland, CA 95695  
Cell (530) 370-6474  
Phone (530) 668-2738  
[www.morningstarco.com](http://www.morningstarco.com)





## THE MORNING STAR PACKING COMPANY

724 Main Street, Woodland CA 95695

14 October 2015

Ms. Wendy Wyels  
Central Valley Regional Water Quality Control Board  
11020 Sun Center Drive #200  
Rancho Cordova, CA 95670-6114

Re: Daily Assessment Update for The Morning Star Packing Company, L.P., The Morning Star Tomato Packing Plant, Colusa County.

Dear Ms. Wyels,

Attached please find updates to our self reported odor observations (**Attachment A**) and our pond monitoring data (**Attachment B**).

Please note that we have achieved dissolved oxygen readings above 1.0 mg/L for seven consecutive days (**Attachment B**) as of 10-14-15. Morning Star will conduct normal dissolved oxygen sampling of our pond moving forward, which is on a monthly basis during non-processing.

Please feel free to contact us with any questions or concerns.

Respectfully yours,

Niraj Raj



# **Attachment A**

## The Morning Star Packing Company - Self Reported

Legend:

\*None

\*N/S None to Slight  
intermittent

\*Slight

\*Medium

\*High

Blanks = No Observation

## On Site - Odor Observations

Date	Time	North					Wind Direction
		MS #2 and #3	Abel/Husted	SW Husted/I-5 over-pass	W Old 99	NE MS 16	
		1	2	3	4	5	6
8/21/2015	15:00	N	N	N	S	N	4.5 mph, SE
8/21/2015							
8/21/2015							
8/22/2015	6:15	S	M	N	N/S	S	1.2 mph, SE
8/22/2015	9:45	S	S	S	N/S	N/S	3.2 mph, SW
8/22/2015	15:10	S	S	S	N/S	S	6.2 mph, SE
8/23/2015	7:40	S	S	S	N	N/S	1.8 mph, SSW
8/23/2015	1:12	S	S	S	N	N/S	5.1 mph, SE
8/23/2015							
8/24/2015	7:30	S	S	N	N	N	4.4 mph, SE
8/24/2015	11:00	S	N	N	N	N	3.5 mph, E
8/24/2015	14:35	S	N	N	N	N	5.7 mph, SE
8/24/2015	18:21	S	S	N	N	N	7.9 mph, SE
8/25/2015	5:40	S	S	N	N	N	1.5 mph, S
8/25/2015	8:12	N/S	N/S	N	N	N	2.2 mph, SE
8/25/2015	18:46	N/S	S	N	N	N	7.7 mph, SE
8/26/2015	6:15	N/S	S	N	N	N	3.1 mph, S
8/26/2015	9:34	S	S	S	N	N	3.9 mph, E



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Legend:  
 \*None  
 \*N/S None to Slight  
 Intermittent  
 \*Slight  
 \*Medium  
 \*High

Blanks = No Observation

## On Site - Odor Observations

Date	Time	North		SW Husted/I-5 over-pass	W Old 99	NE MS 16	Wind Direction From
		MS #2 and #3	Abel/Husted				
9/1/2015	12:45	1	2	3	4	5	6
9/1/2015	18:05	S	S	S	S	S	7.0 mph, SE
9/2/2015	5:10	S	S	S	S	S	7.8 mph, SE
9/2/2015	8:00	S	S	S	S	S	5.6 mph, SE
9/2/2015							6.9 mph, SEE
9/3/2015	6:45	N	N	N	S	N	4.3 mph, SEE
9/3/2015	10:03	N	N	N	S	N	3.3 mph, NEN
9/3/2015	19:10	N	N	N	S	N	3.7 mph, SE
9/4/2015	6:45	N	N	N	N	N	3.1 mph, SSE
9/4/2015	10:03	N	N/S	N	N	N	3.5 mph, N
9/4/2015	18:22	S	N	N/S	S	N	4.7 mph, SE
9/5/2015	7:11	N	N	N	S	N	1.9 mph, NEN
9/5/2015	10:40	N	N	N	N	N	14.0 mph, N
9/5/2015	18:10	N	N	N	N/S	N	5.1 mph, N
9/6/2015	9:13	N	N	N	N	N	6.8 mph, N
9/6/2015	12:40	N	N	N	N/S	N/S	4.5 mph, NNW
9/6/2015	18:15	N	S	S	S	N/S	3.9 mph, NE
9/7/2015	7:35	N	N/S	N/S	N/S	S	1.1 mph, NEE
9/7/2015	10:50	N	N/S	N	N	N/S	8.5 mph, N

## The Morning Star Packing Company - Self Reported

Legend:  
 \*None  
 \*N/S None to Slight intermittent  
 \*Slight  
 \*Medium  
 \*High

Blanks = No Observation

## On Site - Odor Observations

Date	Time	North					Wind Direction
		MS #2 and #3	Abel/Husted	Husted/I-5 over-pass	Old 99	MS 16	
9/7/2015	18:00	1	2	3	4	5	6
9/8/2015	11:50	N	N	N	N	N	2.3 mph, NE
9/8/2015	11:50	N	N	N	N	N	3.3 mph, N
9/8/2015	22:30	N	N	N	N	N	2.1 mph, NE
9/9/2015	8:40	N	N	N	N	N	1.6 mph, NWW
9/9/2015	11:50	N	N	N	N	N	5.1 mph, N
9/9/2015	19:10	N	N	N	N	N	2.2 mph, SEE
9/10/2015	5:21	N	N	N	N	N	2.0 mph, SW
9/10/2015	8:40	N	N	N	N	N	1.8 mph, NW
9/10/2015	18:57	N	N	N	N	N	2.5 mph, SEE
9/11/2015	6:42	N	N	N	N	N	1.3 mph, SES
9/11/2015	11:21	N	N	N	N	N	2.8 mph, NWN
9/11/2015	17:22	N	N	N	N	N	3.7 mph, E
9/12/2015	11:51	N	N	N	N	N	4.3 mph, SES
9/12/2015	18:55	N	N	N	N	N	8.2 mph, SE
9/13/2015	15:12	N	N	N	N	N	2.4 mph, S
9/13/2015	19:40	N	N/S	N	N/S	N	4.8 mph, SE

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Legend:  
 \*None  
 \*N/S None to Slight  
 intermittent  
 \*Slight  
 \*Medium  
 \*High

Blanks = No Observation

## On Site - Odor Observations

Date	Time	MS #2 and #3					Wind Direction
		North	NW	SW	W	NE	
9/14/2015	8:40	1	2	3	4	5	6
9/14/2015	13:03	N/S	S	S	S	S	N/S
9/14/2015	18:41	N/S	S	S	S	N	6.6 mph, SE
9/15/2015							7.8 mph, SE
9/15/2015							6.1 mph, S
9/15/2015	19:32	N/S	S	N/S	N/S	S	7.2 mph, SWS
9/16/2015	6:50	S	S	S	S	S	6.6 mph, SE
9/16/2015	10:54	S	S	S	S	S	8.7 mph, SE
9/16/2015	20:04	N/S	N/S	N/S	N/S	N/S	5.6 mph, SE
9/17/2015	8:45	N	N	N	N	N	4.3 mph, NWN
9/17/2015	12:33	N	N	N	N	N	6.6 mph, N
9/17/2015	19:18	N	N	N	N	N	3.3 mph, N
9/18/2015							
9/18/2015	19:43	N	N/S	N	N	S	2.3 mph, E
9/19/2015							
9/19/2015	16:37	N	N/S	N	N	S	3.9 mph, N
9/19/2015	19:21	N	N	N	N	S	2.1 mph, ESE
9/20/2015							









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*None							
*N/S							
None to Slight							
intermittent							
*Slight							
*Medium							
*High							
Blanks = No Observation							

## Off-Site Odor Observations

Date	Time	House SouthWest	Sac Museum West	Chevron Central	Police Station NorthEast	Valley Ranch SouthEast	Crawford & Zumwalt West of Factory	Wind Direction From
		1	2	3	4	5	6	7
8/14/2015	8:30		N	N	N	N		4.2 mph, SSE
8/14/2015	16:10			N	N	N		4.1 mph, N
8/14/2015	19:30	N	N	N	N	N		2.0 mph, E
8/14/2015	21:30	N	N					1.7 mph, E
8/15/2015	5:00	N	N	N				1.7 mph, ESE
8/15/2015	13:20	N	N	N	N	N		6.8 mph, N
8/15/2015	16:31	N	N	N	N	N		3.1 mph, N
8/15/2015	19:30	N	N	N	N	N		1.7 mph, SE
8/16/2015	6:00	N	N					1.0 mph, NE
8/16/2015	11:00	N	N	N	N	N		5.4 mph, N
8/16/2015	15:30	N	N	N	N	N		3.4 mph, E
8/16/2015	17:00	N	N	N	N	N		3.8 mph, E
8/16/2015	21:30	N	N	N	N	N		1.4 mph, SE
8/17/2015	5:00	N	N	N	N	N		1.5 mph, ESE
8/17/2015	12:45	N	N	N	N	N		3.0 mph NNW
8/17/2015	17:25	N	N	N	N	N		3.5 mph, SE
8/17/2015	19:00	N	N	N	N	N		2.0 mph, SE



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Legend:  
 \*None  
 \*N/S  
 None to Slight  
 intermittent  
 \*Slight  
 \*Medium  
 \*High

Blanks = No Observation

## Off-Site Odor Observations

Date	Time	House SouthWest	Sac Museum West	Chevron Central	Police Station NorthEast	Valley Ranch SouthEast	Crawford & Zumwalt West of Factory	Wind Direction From
		1	2	3	4	5	6	7
8/23/2015								
8/24/2015	7:30	N	N	N	N	N	N	4.4 mph, SE
8/24/2015	11:00	N	N	N	N	N	N	3.5 mph, E
8/24/2015	14:35	N	N	N	N	N	N	5.7 mph, SE
8/24/2015	18:21	N	N	N	N	N	N/S	7.9 mph, SE
8/25/2015	5:40	N	N	N	N	N/S	N	1.5 mph, S
8/25/2015	8:12	N	N	N	N	N	N	2.2 mph, SE
8/25/2015	18:46	N	N	N	N	N	N	7.7 mph, SE
8/26/2015	6:15	N	N	N	N	N	N	3.1 mph, S
8/26/2015	9:34	N	N	N	N	N	N	3.9 mph, E
8/26/2015	18:21	N	N	N	N	N	N	6.4 mph, SE
8/27/2015	7:41	N	N	N	N	N	N	1.7 mph, N
8/27/2015	13:35	N	N	N	N	N	N	4.4 mph, ESE
8/27/2015	6:40	N	N	N	N	N	N	3.7 mph, E
8/28/2015	7:10	N	N	N	N	N	N	3.9 mph, SES
8/28/2015	10:40	N	N	N	N	N	N	2.7 mph, SW
8/28/2015	17:49	N	N	N	N	N	N/S	8.0 mph, SW
8/29/2015	5:10	N	N	N	N	N	N/S	6.8 mph, SE









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Legend:								
*None								
*N/S								
None to Slight								
Intermittent								
*Slight								
*Medium								
*High								
Blanks = No Observation								

### Off-Site Odor Observations

Date	Time	House SouthWest	Sac Museum West	Chevron Central	Police Station NorthEast	Valley Ranch SouthEast	Crawford & Zumwalt West of Factory	Wind Direction From
9/21/2015	21:30	1 N	2 N	3 N	4 N	5 N/S	6 N	4.9 mph,SE
9/22/2015	7:07	N	N	N	N	N	N/S	5.8 mph,SES
9/22/2015	16:35	N	N	N	N	N/S	N/S	10.2 mph,SSE
9/22/2015	19:45	N	N	N	N	N/S	N/S	10.4 mph,SEE
9/23/2015	6:50	N	N	N	N	N	N	1.4 mph,NW
9/23/2015	9:38	N	N	N	N	N	N	3.1 mph,WNW
9/24/2015	21:03	N	N	N	N	N/S	N/S	2.2 mph,SE
9/24/2015	7:51	N	N	N	N	N	N	2.7 mph,NE
9/24/2015	15:15	N	N	N	N	N	N	2.6 mph,W
9/24/2015	19:22	N	N	N	N	N/S	N/S	2.2 mph,ESE
9/25/2015	6:57	N	N	N	N	N	N	2.2 mph,E
9/25/2015	10:15	N	N	N	N	N	N	2.1 mph,NE
9/25/2015	21:40	N	N	N	N	N	N	4.0 mph,S
9/26/2015	8:11	N	N	N	N	N	N	1.3 mph,NWN
9/26/2015	10:53	N	N	N	N	N	N	3.3 mph,W
9/26/2015	22:03	N	N	N	N	N	N	2.2 mph,E
9/27/2015	10:17	N	N	N	N	N	N	7.2 mph,N
9/27/2015	13:01	N	N	N	N	N	N/S	3.8 mph,SE







## **Attachment B**



# MORNING STAR PACKING COMPANY

## General Pond Monitoring Results

General Pond Monitoring Locations & Constituents										
Date	Cooling Pond					Settling Pond				
	CP	CP	CP	CP	CP-Lab	SP	SP	SP	SP	SP-Lab
	pH	EC	Direct DO	Grab DO	Grab DO	pH	EC	Direct DO	Grab DO	Grab DO
7/6/2015	7.7	215				5.0	903			
7/7/2015	8.2	226				5.0	892			
7/8/2015	7.8	209				4.9	1,016			
7/9/2015	8.3	230	3.4			5.3	908	2.0		
7/10/2015	8.1	241				5.2	942			
7/11/2015	8.2	239				5.5	952			
7/12/2015	8.0	261				5.3	991			
7/13/2015	7.8	257				5.3	987			
7/14/2015	7.6	269				5.4	1,039			
7/15/2015	7.5	266				5.0	1,246			
7/16/2015	6.7	280	1.2			5.1	1,280	1.5		
7/17/2015	7.1	274				5.1	1,111			
7/18/2015	7.2	269				5.0	1,038			
7/19/2015	7.6	235				5.3	962			
7/20/2015	6.5	269				5.0	1,057			
7/21/2015	6.7	325				5.7	983			
7/22/2015	6.9	303				6.8	971			
7/23/2015	7.5	292	5.8			7.2	956	6.4		
7/24/2015	7.5	305				6.4	1,018			
7/25/2015	7.3	282				6.2	1,042			
7/26/2015	7.7	292				6.1	972			
7/27/2015	7.4	318				6.2	1,001			
7/28/2015	7.1	312				5.8	1,040			
7/29/2015	6.9	325				6.1	932			
7/30/2015	6.9	343	1.1			5.1	1,645	1.1		
7/31/2015	7.0	332				5.4	1,375			
8/1/2015	6.8	326				5.2	1,673			
8/2/2015	7.2	305				5.0	2,258			
8/3/2015	7.0	325				5.1	2,161			
8/4/2015	7.1	313				5.2	1,844			
8/5/2015	7.5	367				4.8	1,857			
8/6/2015	6.8	350	1.3			5.1	2,238	2.3		
8/7/2015	6.5	334	1.5			5.4	1,933	2.5		
8/8/2015	7.2	360	0.7			5.2	1,889	0.8		
8/9/2015	7.2	340	0.5			4.7	2,004	0.6		
8/10/2015	7.0	362	0.2			5.2	921	4.5		
8/11/2015	6.9	365	0.2			5.7	850	4.2		
8/12/2015	7.1	366	0.2			5.6	873	5.0		
8/13/2015	7.2	362	0.6			5.2	1,130	4.0		
8/14/2015	7.4	374	1.9			5.5	1,056	0.3		
8/15/2015	6.8	370	0.7			5.6	1,130	0.6		
8/16/2015	6.8	364	0.8			5.5	1,210	0.3		
8/17/2015	7.0	374	0.3			5.2	1,115	0.5		
8/18/2015	7.1	359	0.8			5.0	1,249	0.7		
8/19/2015	6.9	338	0.9			5.2	1,162	0.8		
8/20/2015	6.9	397	0.5	2.0		5.5	1,110	0.7	1.6	
8/21/2015	7.1	344	0.3	0.8		4.8	1,710	0.2	0.9	
8/23/2015	7.2	392	2.0	4.0		4.8	1,613	0.2	0.2	
8/24/2015	6.9	396	0.7	1.5		4.7	1,614	0.2	0.3	
8/25/2015	7.4	393	2.7	3.0		4.6	1,602	0.3	0.3	
8/26/2015	7.2	394	2.5	3.1		4.5	1,647	0.3	0.2	
8/27/2015	7.2	396	2.1	2.8		4.5	1,645	0.3	0.5	
8/28/2015	7.0	398	1.6	1.3		4.4	1,691	0.3	0.6	
8/29/2015	6.9	407	0.3	1.1		4.4	1,774	0.5	0.5	
8/30/2015	7.1	415	1.8	2.1		4.4	1,759	0.8	0.7	
8/31/2015	7.1	413	2.0	3.9		4.3	1,799	0.4	0.4	
9/1/2015	7.2	415	3.9	4.4		4.2	2,029	0.4	0.5	
9/2/2015	7.0	420	1.7	2.4		4.3	2,160	0.4	0.6	
9/3/2015	7.1	426	2.1	3.1		4.5	2,721	1.1	1.0	
9/4/2015	7.1	423	2.3	2.4		4.1	2,108	0.5	0.5	
9/5/2015	7.1	424	1.3	1.9		3.9	2,228	0.3	0.3	
9/6/2015	7.1	427	2.5	3.0		3.9	1,845	0.3	0.5	
9/7/2015	7.2	425	1.8	3.1		3.9	1,600	0.3	0.3	
9/8/2015	6.9	429	0.7	1.4		4.0	1,583	0.4	0.3	
9/9/2015	6.9	432	0.3	0.6		4.1	1,565	0.4	0.3	