Childs, Guy@Waterboards

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

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

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

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 MS #2 and #3 1	NW Abel/Husted 2	SW Husted/I-5 over-pass 3	W Old 99 4	NE MS 16 5	Wind Direction From 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

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 MS #2 and #3 1	NW Abel/Husted 2	SW Husted/I-5 over-pass 3	W Old 99 4	NE MS 16 5	Wind Direction From 6
8/26/2015	18:21	S	S	N	N	N	6.4 mph, SE
8/27/2015	7:41	S	S	S	S	S	1.7 mph, N
8/27/2015	13:35	S	S	S	N	S	4.4 mph, ESE
8/27/2015	18:40	S	S	N	S	S	3.7 mph, E
8/28/2015	7:10	S	S	N/S	S	N/S	3.9 mph, SES
8/28/2015	10:40	S	S	N	N/S	S	2.7 mph, SW
8/28/2015	17:49	S	S	S	N/S	S	8.0 mph, SW
8/29/2015	5:10	S	S	S	S	S	6.8 mph, SE
8/29/2015	10:50	S	S	N/S	S	N/S	9.7 mph, SES
8/29/2015	17:10	S	S	N	N	S	8.0 mph, W
8/30/2015	7:10	S	S	N	N	S	1.4 mph, W
8/30/2015	9:50	S	S	N	S	S	2.9 mph, NW
8/30/2015	18:10	S	S	N	N/S	S	3.1 mph, N
8/31/2015	6:15	S	S	N	N	S	1.2 mph, SE
8/31/2015	14:00	S	S	N	N/S	S	3.4 mph, NNW
8/31/2015	18:20	S	S	S	N/S	S	6.0 mph, SE
9/1/2015	7:30	S	S	S	N/S	S	2.2 mph, NE

The Morning Star Packing Company - Self Reported

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

Blanks = No Observation

On Site - Odor Observations

Date	Time	North MS #2 and #3 1	NW Abel/Husted 2	SW Husted/I-5 over-pass 3	W Old 99 4	NE MS 16 5	Wind Direction From 6
9/1/2015	12:45	S	S	S	S	S	7.0 mph, SE
9/1/2015	18:05	S	S	S	S	S	7.8 mph, SE
9/2/2015	5:10	S	S	S	S	S	5.6 mph, SE
9/2/2015	8:00	S	S	S	S	S	6.9 mph, SEE
9/2/2015							
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

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On Site - Odor Observations

Date	Time	North MS #2 and #3 1	NW Abel/Husted 2	SW Husted/I-5 over-pass 3	W Old 99 4	NE MS 16 5	Wind Direction From 6
9/7/2015	18:00	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							
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							
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							
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	North MS #2 and #3 1	NW Abel/Husted 2	SW Husted/I-5 over-pass 3	W Old 99 4	NE MS 16 5	Wind Direction From 6
9/14/2015	8:40	N	S	S	S	N/S	6.6 mph, SE
9/14/2015	13:03	N/S	S	S	S	S	7.8 mph, SE
9/14/2015	18:41	N/S	S	S	S	N	6.1 mph, S
9/15/2015							
9/15/2015							
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							
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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Legend:
*None
*N/S None to Slight intermittent
*Slight
*Medium
*High

Blanks = No Observation

On Site - Odor Observations

Date	Time	North MS #2 and #3 1	NW Abel/Husted 2	SW Husted/I-5 over-pass 3	W Old 99 4	NE MS 16 5	Wind Direction From 6
9/20/2015	13:02	N	N	N/S	N	S	2.5 mph,SW
9/20/2015	20:32	N	N	N/S	N	N/S	2.6 mph,E
9/21/2015	7:55	N	N	N	N	N	4.7 mph,N
9/21/2015							
9/21/2015	21:30	N/S	N/S	N/S	N/S	N/S	4.9 mph,SE
9/22/2015	7:07	N/S	N/S	N/S	N/S	N/S	5.8 mph,SES
9/22/2015	16:35	S	S	S	S	S	10.2 mph,SSE
9/22/2015	19:45	S	S	S	S	S	10.4 mph,SEE
9/23/2015	6:50	N	N	N	N	N	1.4 mph,NW
9/23/2015	9:38	N/S	N	N	N	N/S	3.1 mph,WNW
9/23/2015	21:03	S	S	S	S	S	2.2 mph,SE
9/24/2015	7:51	N/S	N/S	N	N	N/S	2.7 mph,NE
9/24/2015	15:15	S	S	N	N	N/S	2.6 mph,W
9/24/2015	19:22	S	S	S	S	S	2.2 mph,ESE
9/25/2015	6:57	N	N	N	N	S	2.2 mph,E
9/25/2015	10:15	N	N	N	N	S	2.1 mph,NE
9/25/2015	21:40	N	N/S	N/S	N/S	M	4.0 mph,S
9/26/2015	8:11	N	N/S	N/S	N	N/S	1.3 mph,NWN
9/26/2015	10:53	N	N/S	N/S	N/S	N/S	3.3 mph,W

The Morning Star Packing Company - Self Reported

Legend:
- *None
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- *Slight
- *Medium
- *High

Blanks = No Observation

On Site - Odor Observations

Date	Time	North MS #2 and #3 1	NW Abel/Husted 2	SW Husted/I-5 over-pass 3	W Old 99 4	NE MS 16 5	Wind Direction From 6
9/26/2015	22:03	S	S	S	S	S	2.2 mph,E
9/27/2015	10:17	N/S	N/S	N/S	N/S	N/S	7.2 mph,N
9/27/2015	13:01	S	S	N/S	N/S	S	3.8 mph,SE
9/27/2015	21:57	S	S	S	S	S	4.2 mph,SE
9/28/2015	6:57	S	S	S	S	S	1.9 mph,SEE
9/28/2015	9:31	S	S	S	S	S	3.9 mph,N
9/28/2015	20:13	S	S	S	S	S	5.2 mph,SE
9/29/2015	8:55	S	S	S	S	S	5.6 mph,SE
9/29/2015	14:20	S	S	S	S	S	7.2 mph,SEE
9/29/2015	20:15	S	S	S	S	S	7.8 mph,E
9/30/2015	9:12	S	S	S	S	S	2.2 mph,E
9/30/2015	13:40	S	S	S	S	S	4.9 mph,SE
9/30/2015	19:44	S	S	S	S	S	2.5 mph,E
10/1/2015	9:20	S	S	S	S	S	1.9 mph,NWN
10/1/2015	13:41	S	S	S	S	S	4.8 mph,N
10/1/2015	18:31	S	S	S	S	S	2.8 mph,N
10/2/2015	6:21	N/S	N/S	N/S	N/S	N/S	1.9 mph,W
10/2/2015	8:56	N/S	N/S	N/S	N/S	N/S	3.3 mph,NWN
10/2/2015	17:11	N/S	N/S	N/S	N/S	N/S	7.9 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 MS #2 and #3 1	NW Abel/Husted 2	SW Husted/I-5 over-pass 3	W Old 99 4	NE MS 16 5	Wind Direction From 6
10/3/2015	6:09	N/S	N	N	N	N/S	2.1 mph,SEE
10/3/2015	15:40	N	N	N	N	N/S	5.7 mph,NE
10/3/2015	17:18	N	N	N	N	N/S	8.8 mph,N
10/4/2015	5:56	N	N	N	N	N/S	8.3 mph,N
10/4/2015							
10/4/2015	18:37	N/S	N/S	N/S	N	N/S	3.4 mph,ESE
10/5/2015	5:28	N/S	N/S	N/S	N/S	N/S	2.2 mph,SW
10/5/2015	13:54	N/S	S	N/S	N/S	N/S	3.1 mph,NW
10/5/2015	18:09	N/S	S	N/S	N/S	N/S	3.7 mph,SE
10/6/2015	5:58	N/S	N/S	N/S	N/S	N/S	2.1 mph,NW
10/6/2015							
10/6/2015	20:21	N/S	S	N/S	S	S	5.3 mph,SE
10/7/2015	9:11	N/S	N/S	S	N/S	N/S	2.5 mph,NW
10/7/2015	12:38	N/S	N/S	S	N/S	N/S	2.7 mph,W
10/7/2015	18:17	N/S	N/S	N/S	N/S	N/S	1.7 mph,E
10/8/2015							
10/8/2015							
10/8/2015	18:17	N/S	N/S	N/S	N/S	N/S	1.5 mph,SEE
10/9/2015	8:55	N/S	N/S	N/S	N/S	N/S	1.8 mph,W

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Legend:
- *None
- *N/S None to Slight intermittent
- *Slight
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Blanks = No Observation

On Site - Odor Observations

Date	Time	North MS #2 and #3 1	NW Abel/Husted 2	SW Husted/I-5 over-pass 3	W Old 99 4	NE MS 16 5	Wind Direction From 6
10/9/2015	13:40	N/S	N/S	N/S	N/S	N/S	4.0 mph,E
10/9/2015	19:11	N/S	N/S	N/S	N/S	N/S	1.9 mph,ENE
10/10/2015	8:03	N/S	N	N	N	N/S	2.8 mph,NEE
10/10/2015							
10/10/2015	17:42	N/S	N	N	N	N/S	7.0 mph,SE
10/11/2015	7:10	N	N	N/S	N/S	N	1.3 mph,SE
10/11/2015	16:30	N	N	N	N	N	2.5 mph,NE
10/11/2015	19:11	N	N	N	N	N	2.0 mph,ESE
10/12/2015	7:17	N/S	N/S	N/S	N/S	N/S	1.0 mph,SSE
10/12/2015	14:02	N/S	N/S	N/S	N/S	N/S	3.2 mph,NNW
10/12/2015	19:36	N/S	N/S	N/S	N/S	N/S	2.4 mph,E
10/13/2015	12:47	N/S	N/S	N/S	N/S	N/S	4.4 mph,N
10/13/2015	16:55	N/S	N/S	N/S	N/S	N/S	2.3 mph,ENE
10/13/2015	19:31	N/S	N/S	N/S	N/S	N/S	2.6 mph,E
10/14/2015	8:40	N/S	N/S	N/S	N/S	N/S	1.1 mph,S
10/14/2015	13:11	N/S	N/S	N/S	N/S	N/S	2.2 mph,NW
10/14/2015	18:31	N/S	N/S	N/S	N/S	N/S	2.4 mph,SEE

The Morning Star Packing Company - Self Reported

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

Blanks = No Observation

Off-Site Odor Observations

Date	Time	House SouthWest 1	Sac Museum West 2	Chevron Central 3	Police Station NorthEast 4	Valley Ranch SouthEast 5	Crawford & Zumwalt West of Factory 6	Wind Direction From 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
8/18/2015	6:00	N	N	N	N	N		2.4 mph, NNE
8/18/2015	10:15	N	N	N	N	N		3.9 mph, S
8/18/2015	13:00	N	N	N	N	N		5.2 mph, SSE
8/18/2015	17:00	N	N	N	N	N		7.6 mph, SE
8/19/2015	7:20	N	N	N	N	N		2.8 mph, SE
8/19/2015	11:00	N	N	N	N	N		3.7 mph, SE
8/19/2015	18:45	N	N	N	N	N		4.5 mph, ESE
8/20/2015	6:22	N	N	N	N	N		3.2 mph, SSE
8/20/2015	13:35	N	N	N	N	N		4.5 mph, SE
8/20/2015	17:41	N	N	N	N	N		5.9 mph, SE
8/21/2015	12:10	N	N	N	N	N	S	4.9 mph, E
8/21/2015	16:10	N	N	N	N	N		3.9 mph, SE
8/21/2015								
8/22/2015	6:15	N	N	N	N	N	N/S	1.2 mph, SE
8/22/2015	9:45	N	N	N	N	N/S	N/S	3.2 mph, SW
8/22/2015	15:10	N	N	N	N	N	S	6.2 mph, SE
8/23/2015	7:40	N	N	N	N	N	N	1.8 mph, SSW
8/23/2015	1:12	N	N	N	N	N	N	5.1 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 1	Sac Museum West 2	Chevron Central 3	Police Station NorthEast 4	Valley Ranch SouthEast 5	Crawford & Zumwalt West of Factory 6	Wind Direction From 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

The Morning Star Packing Company - Self Reported

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
8/29/2015	10:50	N	N	N/S	N	N/S	N/S	9.7 mph, SES
8/29/2015	17:10	N	N	N	N	N	N	8.0 mph, W
8/30/2015	7:10	N	N	N	N	N	N	1.4 mph, W
8/30/2015	9:50	N	N	N	N	N	N	2.9 mph, NW
8/30/2015	18:10	N	N	N	N	N	N	3.1 mph, N
8/31/2015	6:15	N	N	N	N	N	N	1.2 mph, SE
8/31/2015	14:00	N	N	N	N	N	N	3.4 mph, NNW
8/31/2015	18:20	N	N	N	N	N	N/S	6.0 mph, SE
9/1/2015	7:30	N	N	N	N	N	N	2.2 mph, NE
9/1/2015	12:45	N	N	N	N	N	N/S	7.0 mph, SE
9/1/2015	18:05	N	N	N	N	N/S	S	7.8 mph, SE
9/2/2015	5:10	N	N	N	N	N/S	S	5.6 mph, SE
9/2/2015	8:00	N	N	N	N	N/S	S	6.9 mph, SEE
9/2/2015								
9/3/2015	6:45	N	N	N	N	N	N	4.3 mph, SEE
9/3/2015	10:03	N	N	N	N	N	N	3.3 mph, NEN

The Morning Star Packing Company - Self Reported

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
9/3/2015	19:10	N	N	N	N	N	N	3.7 mph, SE
9/4/2015	6:45	N	N	N	N	N	N	3.1 mph, SSE
9/4/2015	10:03	N	N	N	N	N	N	3.5 mph, N
9/4/2015	18:22	N	N	N	N	N	N	4.7 mph, SE
9/5/2015	7:11	N	N	N	N	N	N	1.9 mph, NEN
9/5/2015	10:40	N	N	N	N	N	N	14.0 mph, N
9/5/2015	18:10	N	N	N	N	N	N	5.1 mph, N
9/6/2015	9:13	N	N	N	N	N	N	6.8 mph, N
9/6/2015	12:40	N	N	N	N	N	N	4.5 mph, NNW
9/6/2015	18:15	N	N	N	N	N	N	3.9 mph, NE
9/7/2015	7:35	N	N	N	N	N	N	1.1 mph, NEE
9/7/2015	10:50	N	N	N	N	N	N	8.5 mph, N
9/7/2015	18:00	N	N	N	N	N	N	2.3 mph, NE
9/8/2015	11:50	N	N	N	N	N	N	3.3 mph, N
9/8/2015								
9/8/2015	22:30	N	N	N	N	N	N	2.1 mph, NE
9/9/2015	8:40	N	N	N	N	N	N	1.6 mph, NWW
9/9/2015	11:50	N	N	N	N	N	N	5.1 mph, N

The Morning Star Packing Company - Self Reported

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
9/9/2015	19:10	N	N	N	N	N	N	2.2 mph, SEE
9/10/2015	5:21	N	N	N	N	N	N	2.0 mph, SW
9/10/2015	8:40	N	N	N	N	N	N	1.8 mph, NW
9/10/2015	18:57	N	N	N	N	N	N	2.5 mph, SEE
9/11/2015	6:42	N	N	N	N	N	N	1.3 mph, SES
9/11/2015	11:21	N	N	N	N	N	N	2.8 mph, NWN
9/11/2015	17:22	N	N	N	N	N	N	3.7 mph, E
9/12/2015	11:51							4.3 mph, SES
9/12/2015								
9/12/2015	18:55	N	N	N	N	N	N	8.2 mph, SE
9/13/2015	15:12	N	N	N	N	N	N	2.4 mph, S
9/13/2015								
9/13/2015	19:40	N	N	N	N	N	N	4.8 mph, SE
9/14/2015	8:40	N	N	N	N	N/S	N/S	6.6 mph, SE
9/14/2015	13:03	N	N	N	N	N/S	N/S	7.8 mph, SE
9/14/2015	18:41	N	N	N	N	N/S	N/S	6.1 mph, S
9/15/2015								
9/15/2015								

The Morning Star Packing Company - Self Reported

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
9/15/2015	19:32	N	N	N	N	N/S	N/S	7.2 mph, SWS
9/16/2015	6:50	N	N	N	N	S	S	6.6 mph, SE
9/16/2015	10:54	N	N	N	N	N/S	N/S	8.7 mph, SE
9/16/2015	20:04	N	N	N	N	N/S	N/S	5.6 mph, SE
9/17/2015	8:45	N	N	N	N	N	N	4.3 mph, NWN
9/17/2015	12:33	N	N	N	N	N	N	6.6 mph, N
9/17/2015	19:18	N	N	N	N	N	N	3.3 mph, N
9/18/2015								
9/18/2015								
9/18/2015	19:43	N	N	N	N	N	N	2.3 mph, E
9/19/2015								
9/19/2015	16:37	N	N	N	N	N	N	3.9 mph,N
9/19/2015	19:21	N	N	N	N	N	N	2.1 mph,ESE
9/20/2015								
9/20/2015	13:02	N	N	N	N	N	N	2.5 mph,SW
9/20/2015	20:32	N	N	N	N	N	N	2.6 mph,E
9/21/2015	7:55	N	N	N	N	N	N	4.7 mph,N
9/21/2015								

The Morning Star Packing Company - Self Reported

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
9/21/2015	21:30	N	N	N	N	N/S	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
9/23/2015	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

The Morning Star Packing Company - Self Reported

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
9/27/2015	21:57	N	N	N	N	N/S	N/S	4.2 mph,SE
9/28/2015	6:57	N	N	N	N	N	N	1.9 mph,SEE
9/28/2015	9:31	N	N	N	N	N	N	3.9 mph,N
9/28/2015	20:13	N	N	N	N	N/S	N/S	5.2 mph,SE
9/29/2015	8:55	N	N	N	N	N/S	N/S	5.6 mph,SE
9/29/2015	14:20	N	N	N	N	N/S	N/S	7.2 mph,SEE
9/29/2015	20:15	N	N	N	N	N/S	N/S	7.8 mph,E
9/30/2015	9:12	N	N	N	N	N/S	N/S	2.2 mph,E
9/30/2015	13:40	N	N	N	N	N/S	N/S	4.9 mph,SE
9/30/2015	19:44	N	N	N	N	N/S	N/S	2.5 mph,E
10/1/2015	9:20	N	N	N	N	N	N	1.9 mph,NWN
10/1/2015	13:41	N	N	N	N	N/S	N/S	4.8 mph,N
10/1/2015	18:31	N	N	N	N	N/S	N/S	2.8 mph,N
10/2/2015	6:21	N	N	N	N	N	N	1.9 mph,W
10/2/2015	8:56	N	N	N	N	N	N	3.3 mph,NWN
10/2/2015	17:11	N	N	N	N	N	N	7.9 mph,N
10/3/2015	6:09	N	N	N	N	N	N	2.1 mph,SEE
10/3/2015	15:40	N	N	N	N	N	N	5.7 mph,NE

The Morning Star Packing Company - Self Reported

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
10/3/2015	17:18	N	N	N	N	N	N	8.8 mph,N
10/4/2015	5:56	N	N	N	N	N	N	8.3 mph,N
10/4/2015								
10/4/2015	18:37	N	N	N	N	N	N	3.4 mph,ESE
10/5/2015	5:28	N	N	N	N	N	N	2.2 mph,SW
10/5/2015	13:54	N	N	N	N	N	N	3.1 mph,NW
10/5/2015	18:09	N	N	N	N	N	N	3.7 mph,SE
10/6/2015	5:58	N	N	N	N	N	N	2.1 mph,NW
10/6/2015								
10/6/2015	20:21	N	N	N	N	N	N	5.3 mph,SE
10/7/2015	9:11	N	N	N	N	N	N	2.5 mph,NW
10/7/2015	12:38	N	N	N	N	N	N	2.7 mph,W
10/7/2015	18:17	N	N	N	N	N	N	1.7 mph,E
10/8/2015								
10/8/2015								
10/8/2015	18:17	N	N	N	N	N	N	1.5 mph,SEE
10/9/2015	8:55	N	N	N	N	N	N	1.8 mph,W
10/9/2015	13:40	N	N	N	N	N	N	4.0 mph,E

The Morning Star Packing Company - Self Reported

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
10/9/2015	19:11	N	N	N	N	N	N	1.9 mph,ENE
10/10/2015	8:03	N	N	N	N	N	N	2.8 mph,NEE
10/10/2015								
10/10/2015	17:42	N	N	N	N	N	N	7.0 mph,SE
10/11/2015	7:10	N	N	N	N	N	N	1.3 mph,SE
10/11/2015	16:30	N	N	N	N	N	N	2.5 mph,NE
10/11/2015	19:11	N	N	N	N	N	N	2.0 mph,ESE
10/12/2015	7:17	N	N	N	N	N	N	1.0 mph,SSE
10/12/2015	14:02	N	N	N	N	N	N	3.2 mph,NNW
10/12/2015	19:36	N	N	N	N	N	N	2.4 mph,E
10/13/2015	12:47	N	N	N	N	N	N	4.4 mph,N
10/13/2015	16:55	N	N	N	N	N	N	2.3 mph,ENE
10/13/2015	19:31	N	N	N	N	N	N	2.6 mph,E
10/14/2015	8:40	N	N	N	N	N	N	1.1 mph,S
10/14/2015	13:11	N	N	N	N	N	N	2.2 mph,NW
10/14/2015	18:31	N	N	N	N	N	N	2.4 mph,SEE

Attachment B

MORNING STAR PACKING COMPANY
General Pond Monitoring Results

General Pond Monitoring Locations & Constituents												
	Cooling Pond						Settling Pond					
	CP	CP	CP	CP	CP-Lab		SP	SP	SP	SP	SP-Lab	
			Direct	Grab	Grab				Direct	Grab	Grab	
Date	pH	EC	DO	DO	DO		pH	EC	DO	DO	DO	
9/10/2015	6.8	609	0.4	1.4	1.44		4.2	2,174	0.6	1.0	1.03	
9/11/2015	7.0	439	0.3	0.6			4.2	2,038	0.5	0.4		
9/12/2015	7.1	395	0.3	0.5			4.2	1,700	2.1	0.9		
9/13/2015	6.9	405	0.4	0.9			4.5	1,880	0.5	0.6		
9/14/2015	6.9	401	0.4	0.6			4.4	1,768	0.5	0.4		
9/15/2015	6.9	407	0.4	0.9	1.24		5.0	1,960	2.9	1.8	1.09	
9/16/2015	7.1	412	0.5	1.0			4.8	2,120	0.7	0.3		
9/17/2015	7.0	416	0.5	1.3	2.41		5.1	2,412	0.4	0.3	1.21	
9/18/2015	7.0	413	0.4	1.2	1.39		4.9	2,445	0.3	0.3	1.08	
9/19/2015	7.0	417	0.3	0.9			4.6	1,968	1.1	0.8		
9/20/2015	7.0	418	0.5	0.7			5.0	1,635	0.6	0.5		
9/21/2015	7.0	413	0.5	0.7			4.6	1,874	0.6	0.5		
9/22/2015	7.1	422	0.8	1.4	1.83		4.8	2,115	0.4	0.3	0.52	
9/23/2015	7.1	418	0.5	1.0			4.5	1,873	1.5	0.4		
9/24/2015	7.3	412	0.4	0.9	1.97		4.8	1,690	0.3	0.6	1.31	
9/25/2015	7.1	423	0.4	0.7			5.1	1,863	0.4	0.2		
9/26/2015	7.1	414	0.4	0.9			4.6	1,930	0.4	0.5		
9/27/2015	7.1	423	0.4	0.9			4.8	1,870	0.4	0.4		
9/28/2015	7.2	419	0.7	2.0			5.2	1,944	0.3	0.4		
9/29/2015	7.2	422	3.4	3.6	1.8		4.9	1,933	1.0	0.9	2.3	
9/30/2015	7.1	420	0.9	2.1			Water has been drained					
10/1/2015	7.0	471	1.8	1.9			Empty					
10/2/2015	7.4	467	3.6	4.7			Empty					
10/3/2015	7.3	470	1.4	2.7			Empty					
10/4/2015	7.1	484	0.6	1.9			Empty					
10/5/2015	7.1	480	0.8	1.7			Empty					
10/6/2015	7.1	489	0.9	2.0	4.4		Empty					
10/7/2015	7.1	504	0.9	2.1			Empty					
10/8/2015	7.0	514	1.1	1.5			Empty					
10/9/2015	7.0	501	1.1	2.4			Empty					
10/10/2015	7.2	511	1.1	2.4			Empty					
10/11/2015	7.2	508	1.8	3.1			Empty					
10/12/2015	7.4	499	5.1	6.0			Empty					
10/13/2015	7.4	511	4.8	5.4			Empty					
10/14/2015	7.3	512	3.0	4.0			Empty					
Average	7.2	378	1.3	2.1	2.1		5.0	1,539	1.1	0.5	1.2	
Minimum	6.5	209	0.2	0.5	1.2		3.9	850	0.2	0.2	0.5	
Maximum	8.3	609	5.8	6.0	4.4		7.2	2,721	6.4	1.8	2.3	

MORNING STAR PACKING COMPANY
General Pond Monitoring Results

General Pond Monitoring Locations & Constituents												
	Cooling Pond						Settling Pond					
	CP	CP	CP	CP	CP-Lab		SP	SP	SP	SP	SP-Lab	
			Direct	Grab	Grab				Direct	Grab	Grab	
Date	pH	EC	DO	DO	DO		pH	EC	DO	DO	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		