FAMILY OWNED & OPERATED SINCE 1914

PREMIUM

Mountaire

Fresh Young Chicken

* includes spray irrigation data

January 4, 2016

U.S. Environmental Protection Agency
1650 Arch Street
Philadelphia, PA 19103
Attention: Amy Cohen (3WP32)

JAN 11 2016
PROTECTION DIV

Re: Mountaire Farms of Delaware, Inc.
Order on Consent

Typo 4th

Dear Ms. Cohen:

In accordance with paragraph 51 of the above-referenced Order on Consent, we are submitting the attached written report summarizing all actions taken in accordance with this Order ("Progress Reports") for the 3rd quarter, 2015.

Well #	Total N
35	29.5
36	14.3
37	19.9
38	36.3
dup 38	35.1 ??
42	14
43	39.4
*46	6.6
47	77.1

...at this document and all attachments were prepared ...n in accordance with a system designed to properly ... submitted. Based on my inquiry of the person or ... or those persons directly responsible for gathering the ...mitted is, to the best of my knowledge and belief, true, ...vare that there are significant penalties for submitting ...possibility of fine and imprisonment for knowing

JAN 11 2016
PROTECTION DIV

...ations

...arms) gw
...rms)

TOTAL QUALITY SERVICE

Mountaire Farms

...well we service our internal and external customers"

51 Clark St. Harrington, DE 19952
PH: 302.398.4313 FX: 302.398.4312
ANALYTICAL SERVICES: NPDES, RCRA, GROUND WATER MONITORING

ANALYTICAL RESULTS

Mountaire Farms of Delaware, Inc. [Millsboro]
P.O. Box 1320
Millsboro, DE 19966

Attention: Jim Nilan

Lab ID:	197873	Matrix:	Ground Water	Sample Start:	12/8/15 13:00
Description:		Site:	MW-35	SampleEnd:	
Type:	Grab			Date Received:	12/9/15 13:10

Parameter	Units	Results	Analyzed	By	Method
Metals					
Arsenic	mg/L	<0.0040	12/21/15 13:11	HJG3	EPA 200.8
Sodium	mg/L	74	12/17/15 11:06	HJG3	SM3111-B
Minerals					
Chloride	mg/L	139	12/9/15 13:36	ML	EPA 300.0
Nutrient					
Ammonia as N	mg/L	0.86	12/15/15 13:49	CC	SM4500-NH3-G
Nitrate+Nitrite as N	mg/L	29.1	12/9/15 13:36	ML	EPA 300.0
Total Kjeldahl Nitrogen	mg/L	0.43	12/15/15 17:46	CC	SM4500-Norg-C
Total Nitrogen as N	mg/L	29.5	12/16/15 11:49	RLF	Calc
Total Phosphorus as P	mg/L	0.05	12/15/15 17:09	CC	SM4500-P-F(w/Dig)
Physical					
Total Dissolved Solids @ 180 C	mg/L	512	12/11/15 15:58	RON	SM2540-C

ND = Not Detected
* = Above Specified Limit
** = Above Client Limit

Printed: Dec 21 2015 5:29PM

51 Clark St. Harrington, DE 19952
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ANALYTICAL RESULTS

Mountaire Farms of Delaware, Inc. [Millsboro]
P.O. Box 1320
Millsboro, DE 19966

Attention: Jim Nilan

Lab ID:	197874	Matrix:	Ground Water	Sample Start:	12/8/15 13:30
Description:		Site:	MW-36	SampleEnd:	
Type:	Grab			Date Received:	12/9/15 13:10

Parameter	Units	Results	Analyzed	By	Method
Metals					
Arsenic	mg/L	<0.0040	12/21/15 13:11	HJG3	EPA 200.8
Sodium	mg/L	102	12/17/15 11:06	HJG3	SM3111-B
Minerals					
Chloride	mg/L	191	12/9/15 13:36	ML	EPA 300.0
Nutrient					
Ammonia as N	mg/L	0.39	12/15/15 13:49	CC	SM4500-NH3-G
Nitrate+Nitrite as N	mg/L	13.3	12/9/15 13:36	ML	EPA 300.0
Total Kjeldahl Nitrogen	mg/L	0.97	12/15/15 17:46	CC	SM4500-Norg-C
Total Nitrogen as N	mg/L	14.3	12/16/15 11:49	RLF	Calc
Total Phosphorus as P	mg/L	0.07	12/15/15 17:09	CC	SM4500-P-F(w/Dig)
Physical					
Total Dissolved Solids @ 180 C	mg/L	476	12/11/15 15:58	RON	SM2540-C

ND = Not Detected
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51 Clark St. Harrington, DE 19952
PH: 302.398.4313 FX: 302.398.4312
ANALYTICAL SERVICES: NPDES, RCRA, GROUND WATER MONITORING

ANALYTICAL RESULTS

Mountaire Farms of Delaware, Inc. [Millsboro]
P.O. Box 1320
Millsboro, DE 19966

Attention: Jim Nilan

Lab ID:	197875	Matrix:	Ground Water	Sample Start:	12/8/15 14:00
Description:		Site:	MW-37	SampleEnd:	
Type:	Grab			Date Received:	12/9/15 13:10

Parameter	Units	Results	Analyzed	By	Method
Metals					
Arsenic	mg/L	<0.0040	12/21/15 13:11	HJG3	EPA 200.8
Sodium	mg/L	31	12/17/15 11:06	HJG3	SM3111-B
Minerals					
Chloride	mg/L	49.2	12/9/15 13:36	ML	EPA 300.0
Nutrient					
Ammonia as N	mg/L	<0.05	12/15/15 13:49	CC	SM4500-NH3-G
Nitrate+Nitrite as N	mg/L	19.7	12/9/15 13:36	ML	EPA 300.0
Total Kjeldahl Nitrogen	mg/L	0.20	12/15/15 17:46	CC	SM4500-Norg-C
Total Nitrogen as N	mg/L	19.9	12/16/15 11:49	RLF	Calc
Total Phosphorus as P	mg/L	0.06	12/15/15 17:09	CC	SM4500-P-F(w/Dig)
Physical					
Total Dissolved Solids @ 180 C	mg/L	398	12/11/15 15:58	RON	SM2540-C

ND = Not Detected
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51 Clark St. Harrington, DE 19952
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ANALYTICAL SERVICES: NPDES, RCRA, GROUND WATER MONITORING

ANALYTICAL RESULTS

Mountaire Farms of Delaware, Inc. [Millsboro]
P.O. Box 1320
Millsboro, DE 19966

Attention: Jim Nilan

Lab ID:	197876	Matrix:	Ground Water	Sample Start:	12/8/15 14:30
Description:		Site:	MW-38	SampleEnd:	
Type:	Grab			Date Received:	12/9/15 13:10

Parameter	Units	Results	Analyzed	By	Method
Metals					
Arsenic	mg/L	<0.0040	12/21/15 13:11	HJG3	EPA 200.8
Sodium	mg/L	75	12/17/15 11:06	HJG3	SM3111-B
Minerals					
Chloride	mg/L	154	12/9/15 13:36	ML	EPA 300.0
Nutrient					
Ammonia as N	mg/L	0.45	12/15/15 13:49	CC	SM4500-NH3-G
Nitrate+Nitrite as N	mg/L	35.8	12/9/15 13:36	ML	EPA 300.0
Total Kjeldahl Nitrogen	mg/L	0.52	12/15/15 17:46	CC	SM4500-Norg-C
Total Nitrogen as N	mg/L	36.3	12/16/15 11:50	RLF	Calc
Total Phosphorus as P	mg/L	0.07	12/15/15 17:09	CC	SM4500-P-F(w/Dig)
Physical					
Total Dissolved Solids @ 180 C	mg/L	454	12/11/15 15:58	RON	SM2540-C

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ANALYTICAL SERVICES: NPDES, RCRA, GROUND WATER MONITORING

ANALYTICAL RESULTS

Mountaire Farms of Delaware, Inc. [Millsboro]
P.O. Box 1320
Millsboro, DE 19966

Attention: Jim Nilan

Lab ID:	197877	Matrix:	Ground Water	Sample Start:	12/8/15 14:30
Description:	Duplicate of 197876	Site:	MW-38	SampleEnd:	
Type:	Grab			Date Received:	12/9/15 13:10

Result were 35.8?

Parameters	Units	Results	Analyzed	By	Method
Metals					
Arsenic	mg/L	<0.0040	12/21/15 13:11	HJG3	EPA 200.8
Sodium	mg/L	73	12/17/15 11:06	HJG3	SM3111-B
Minerals					
Chloride	mg/L	155	12/9/15 13:36	ML	EPA 300.0
Nutrient					
Ammonia as N	mg/L	0.10	12/15/15 13:49	CC	SM4500-NH3-G
Nitrate+Nitrite as N	mg/L	34.6	12/9/15 13:36	ML	EPA 300.0
Total Kjeldahl Nitrogen	mg/L	0.50	12/15/15 17:46	CC	SM4500-Norg-C
Total Nitrogen as N	mg/L	35.1	12/16/15 11:50	RLF	Calc
Total Phosphorus as P	mg/L	0.05	12/15/15 17:09	CC	SM4500-P-F(w/Dig)
Physical					
Total Dissolved Solids @ 180 C	mg/L	514	12/11/15 15:58	RON	SM2540-C
QA/QC					
Ammonia as N (% Recovery)	% Rec.	87.3	12/15/15 13:49	CC	SM4500-NH3-G
Arsenic (% Recovery)	% Rec.	121	12/21/15 13:11	HJG3	EPA 200.8
Chloride (% Recovery)	% Rec.	95.4	12/9/15 13:36	ML	EPA 300.0
Nitrate+Nitrite as N (% Recovery)	% Rec.	100.6	12/9/15 13:36	ML	EPA 300.0
Sodium (% Recovery)	% Rec.	97	12/17/15 11:06	HJG3	SM3111-B
Total Kjeldahl Nitrogen (% Recovery)	% Rec.	114	12/15/15 17:46	CC	SM4500-Norg-C
Total Phosphorus as P (% Recovery)	% Rec.	94.4	12/15/15 17:09	CC	SM4500-P-F(w/Dig)

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ANALYTICAL RESULTS

Mountaire Farms of Delaware, Inc. [Millsboro]
P.O. Box 1320
Millsboro, DE 19966

Attention: Jim Nilan

Lab ID:	197878	Matrix:	Ground Water	Sample Start:	12/8/15 15:00
Description:		Site:	MW-42	SampleEnd:	
Type:	Grab			Date Received:	12/9/15 13:10

Parameters	Units	Results	Analyzed	By	Method
Metals					
Arsenic	mg/L	<0.0040	12/21/15 13:11	HJG3	EPA 200.8
Sodium	mg/L	8.4	12/17/15 11:06	HJG3	SM3111-B
Minerals					
Chloride	mg/L	26.9	12/10/15 10:45	ML	EPA 300.0
Nutrient					
Ammonia as N	mg/L	0.09	12/15/15 13:49	CC	SM4500-NH3-G
Nitrate+Nitrite as N	mg/L	13.7	12/10/15 10:45	ML	EPA 300.0
Total Kjeldahl Nitrogen	mg/L	0.25	12/15/15 17:46	CC	SM4500-Norg-C
Total Nitrogen as N	mg/L	14.0	12/16/15 11:50	RLF	Calc
Total Phosphorus as P	mg/L	0.05	12/15/15 17:09	CC	SM4500-P-F(w/Dig)
Physical					
Total Dissolved Solids @ 180 C	mg/L	336	12/11/15 15:58	RON	SM2540-C

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ANALYTICAL RESULTS

Mountaire Farms of Delaware, Inc. [Millsboro]
P.O. Box 1320
Millsboro, DE 19966

Attention: Jim Nilan

Lab ID:	197879	Matrix:	Ground Water	Sample Start:	12/8/15 15:30
Description:		Site:	MW-43	SampleEnd:	
Type:	Grab			Date Received:	12/9/15 13:10

Parameter	Units	Results	Analyzed	By	Method
Metals					
Arsenic	mg/L	<0.0040	12/21/15 13:11	HJG3	EPA 200.8
Sodium	mg/L	82	12/17/15 11:06	HJG3	SM3111-B
Minerals					
Chloride	mg/L	144	12/10/15 10:45	ML	EPA 300.0
Nutrient					
Ammonia as N	mg/L	<0.05	12/15/15 13:49	CC	SM4500-NH3-G
Nitrate+Nitrite as N	mg/L	39.0	12/10/15 10:45	ML	EPA 300.0
Total Kjeldahl Nitrogen	mg/L	0.37	12/15/15 17:46	CC	SM4500-Norg-C
Total Nitrogen as N	mg/L	39.4	12/16/15 11:51	RLF	Calc
Total Phosphorus as P	mg/L	0.06	12/15/15 17:09	CC	SM4500-P-F(w/Dig)
Physical					
Total Dissolved Solids @ 180 C	mg/L	524	12/11/15 15:58	RON	SM2540-C

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ANALYTICAL RESULTS

Mountaire Farms of Delaware, Inc. [Millsboro]
P.O. Box 1320
Millsboro, DE 19966

Attention: Jim Nilan

Lab ID:	197880	Matrix:	Ground Water	Sample Start:	12/8/15 16:00
Description:		Site:	MW-46	SampleEnd:	
Type:	Grab			Date Received:	12/9/15 13:10

Parameters	Units	Results	Analyzed	By	Method
Metals					
Arsenic	mg/L	<0.0040	12/21/15 13:11	HJG3	EPA 200.8
Sodium	mg/L	36	12/17/15 11:06	HJG3	SM3111-B
Minerals					
Chloride	mg/L	45.9	12/10/15 10:45	ML	EPA 300.0
Nutrient					
Ammonia as N	mg/L	0.09	12/15/15 13:49	CC	SM4500-NH3-G
Nitrate+Nitrite as N	mg/L	6.06	12/10/15 10:45	ML	EPA 300.0
Total Kjeldahl Nitrogen	mg/L	0.58	12/15/15 17:46	CC	SM4500-Norg-C
Total Nitrogen as N	mg/L	6.6	12/16/15 11:52	RLF	Calc
Total Phosphorus as P	mg/L	<0.05	12/15/15 17:09	CC	SM4500-P-F(w/Dig)
Physical					
Total Dissolved Solids @ 180 C	mg/L	238	12/11/15 15:58	RON	SM2540-C

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51 Clark St. Harrington, DE 19952
PH: 302.398.4313 FX: 302.398.4312
ANALYTICAL SERVICES: NPDES, RCRA, GROUND WATER MONITORING

ANALYTICAL RESULTS

Mountaire Farms of Delaware, Inc. [Millsboro]
P.O. Box 1320
Millsboro, DE 19966

Attention: Jim Nilan

Lab ID:	197881	Matrix:	Ground Water	Sample Start:	12/8/15 16:30
Description:		Site:	MW-47	SampleEnd:	
Type:	Grab			Date Received:	12/9/15 13:10

Parameter	Units	Results	Analyzed	By	Method
Metals					
Arsenic	mg/L	0.027	12/21/15 13:11	HJG3	EPA 200.8
Sodium	mg/L	150	12/17/15 11:06	HJG3	SM3111-B
Minerals					
Chloride	mg/L	197	12/10/15 10:45	ML	EPA 300.0
Nutrient					
Ammonia as N	mg/L	2.58	12/15/15 13:49	CC	SM4500-NH3-G
Nitrate+Nitrite as N	mg/L	73.1	12/10/15 10:45	ML	EPA 300.0
Total Kjeldahl Nitrogen	mg/L	4.04	12/15/15 17:46	CC	SM4500-Norg-C
Total Nitrogen as N	mg/L	77.1	12/16/15 11:52	RLF	Calc
Total Phosphorus as P	mg/L	1.57	12/15/15 17:09	CC	SM4500-P-F(w/Dig)
Physical					
Total Dissolved Solids @ 180 C	mg/L	828	12/11/15 15:58	RON	SM2540-C

ND = Not Detected
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SPRAY IRRIGATION

Envirocorp Chain of Custody

MOUNTAIRE FARMS OF DELAWARE, INC

Spray Irrigation Monitoring Well Sampling

Permit Number LTS 5011-87-09

Sample Date : 12-08-15	**Pick-up Date :**	12-9-15	12/9/15 1310 K. Salmon
Sample Time : 1:00pm-4:30pm	**Pick-up Time :**	11:24	
Sampler : (b) (6)(b) (6)(b) (6)	**Received by :**	ML	

Well Number:

197873 M-35

197874 M-36

197875 M-37

M-38 197876

M-38 Duplicate 197877

M-42 197878

M-43 197879

M-46 197880

M-47 197881

Quarterly Parameters:

Total Dissolved Solids (mg/L)	☒	Chlorides (mg/L)	☒
Nitrate + Nitrite (mg/L)	☒	Arsenic (mg/L)	☒
Ammonia as Nitrogen (mg/L)	☒	Sodium (mg/L)	☒
Total Nitrogen (mg/L)	☒	Total Phosphorous (mg/L)	☒
		TKN	☒

COMMENTS:

EI Labs Cooler Temp.

1.0 oC

MOUNTAIRE FARMS OF DELAWARE, INC.

TESTS PERFORMED BY: J MARTIN

GROUNDWATER MONITORING REPORT - FIELD TESTS

PERMIT NO.

LTS 5011-87-09

4th Quarter Report - 2015

SAMPLE/ ANALYSIS DATE	TIME OF SAMPLE	WELL NUMBER	PUMP TIME	TEMP C	pH S.U.	CONDUCTIVITY OHMS	DISSOLVED OXYGEN mg/L	M-SCOPE READING .00 ft	WELL SIZE (INCHES)	STICK UP .00 ft	WELL ELEVATION .00 ft	WATER ELEVATION .00 ft	DEPTH TO WATER .00 ft	PERMIT NUMBER
"		M-19	10 MIN.						2		30.88	30.88	0.00	243355
"		M-20	10 MIN.						4		27.83	27.83	0.00	243354
"		M-21	10 MIN.						2		28.88	28.88	0.00	243353
"		M-27	10 MIN.						4		25.47	25.47	0.00	243352
"		M-28	10 MIN.						4		26.59	26.59	0.00	70659
"		M-29	10 MIN.						4		21.94	21.94	0.00	70660
"		M-30	10 MIN.						4		20.12	20.12	0.00	70661
"		M-31	10 MIN.						4		25.23	25.23	0.00	70662
"		M-32	10 MIN.						4		31.00	31.00	0.00	70663
"		M-33	10 MIN.						4		30.31	30.31	0.00	70664
"		M-34	10 MIN.						4		28.96	28.96	0.00	70665
12/08/2015	13;00	M-35	10 MIN.	15.0	4.10	838	5.40	17.06	4	2.15	25.57	8.52	14.90	70666
"	13;30	M-36	10 MIN.	15.4	4.20	895	2.90	12.30	4	1.90	18.46	6.16	10.40	70667
"	14;00	M-37	10 MIN.	15.6	4.40	438	5.40	19.20	4	1.90	25.04	5.84	17.30	70668
"	14;30	M-38	10 MIN	14.8	4.60	896	5.40	21.80	4	2.50	N/A	#VALUE!	19.20	192056

NOTE; TWO DUPLICATES COLLECTED EACH QUARTER, TO BE ANALYZED FOR ALL PARAMETERS

SAMPLE/ ANALYSIS DATE	TIME OF SAMPLE	WELL NUMBER	PUMP TIME	TEMP C	pH S.U.	CONDUCTIVITY OHMS	DISSOLVED OXYGEN mg/L	M-SCOPE READING .00 ft	WELL SIZE (INCHES)	STICK UP .00 ft	WELL ELEVATION .00 ft	WATER ELEVATION .00 ft	DEPTH TO WATER .00 ft	PERMIT NUMBER
		M-40	10 MIN.						4		26.65	26.66	0.00	70671
		M-41	10 MIN.						4		25.61	25.61	0.00	70672
12/08/2015	15;00	M-42	10 MIN.	16.1	4.00	296	4.90	17.20	4	2.10	19.68	2.48	15.10	70673
"	15;30	M-43	10 MIN.	14.8	4.40	909	5.00	22.55	4	2.30	25.42	2.87	20.25	70674
		M-44	10 MIN.						4		23.44	23.44	0.00	70675
		M-45	10 MIN.						4		23.76	23.76	0.00	70676
12/08/2015	16;00	M-46	10 MIN.	15.1	4.60	410	3.20	20.40	4	2.30	17.23	-3.17	18.10	70677
"	16;30	M-47	10 MIN.	14.8	5.10	1414	3.90	14.90	4	1.85	17.23	2.33	12.95	70678
12/08/2015	14;30	M-38	DUP	14.8	4.60	895	5.40	21.80	4	2.60	N/A	#VALUE!	19.20	192056

NOTE; TWO DUPLICATES COLLECTED EACH QUARTER, TO BE ANALYZED FOR ALL PARAMETERS

EPA MONITORING WELLS