Ohio | Environmental Protection Agency

John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

July 12, 2011

RE: WAYNE COUNTY
OHIO FARMS PACKING
3IH00074

Mr. Tom Nolan
Director of Engineering
Ohio Farms Packing
429 Westwood Avenue
Orrville, OH 44667

Dear Mr. Nolan:

On July 6, 2011 this writer met with you and Mr. Steve Wolf to conduct an inspection of the above referenced facility. The intent of the inspection was to evaluate the operations and maintenance of the wastewater treatment plant and discuss your NPDES permit.

Our records indicate a Permit-to-Install (PTI) for upgrades to the wastewater treatment plant was approved by Ohio EPA on August 17, 2010. The project consists of the construction of an upgraded wastewater treatment plant to provide an advanced treatment technology to serve the facility. The upgraded wastewater treatment plant is designed to treat an average daily flow of 70,000 gpd. The schedule for completion of the wastewater treatment plant is January 2012.

The existing wastewater treatment plant consists of a trash trap, followed by a 16,500 gallon extended aeration treatment plant, a 5,400 gallon aerated sludge tank, dosing chamber, surface sand filter, a chlorine contact tank and a polishing pond which discharges to the Killbuck Creek. At the time of the inspection, the wastewater treatment plant was producing a satisfactory quality effluent. Below are the findings and recommendations from the inspection:

1) The mixed liquor in the aeration tank was a dark brown color and was provided with adequate rollover and good air circulation throughout the tank. The sludge return line was in operation and was returning a concentrated solid. There was no foam visible in the tank. The clarifier portion of the tank was in operation and floating solids were visible on the surface of the tank. The skimmer was visible and was in operation. The weirs and influent baffle had solids accumulating in them.

2) The sand filters were flooded at the time of the inspection but did not appear to have overflowed the sidewalls of the filter bed. It was mentioned during the inspection that this was a normal operation mode for the filters. The filters are alternated every week.

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3) The chlorinator and dechlorinator appeared to be in good working condition with no deficiencies noted. The effluent from the dechlorination point to the lagoon was clear.

4) The pond had a significant amount of duckweed growth present. The outlet pipe from the pond was visible and was in good condition. The final outfall from the pond to the Killbuck Creek was clear and in good condition. There was some minor weed growth around the final outfall.

5) The animal solids collected from the preliminary screening effluent are collected in a dumpster and are taken to a landfill. The blood collected in the blood pit is hauled off site by a private company. The animal solids collected from processing are taken to a rendering facility.

A review of your Discharge Monitoring Reports (DMRs) covering the period January 2010 through June 2011 revealed the following effluent violations:

Reporting Period	Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
January 2010	601	Nitrogen, Ammonia (NH3	30D Qty	0.19	.34235	1/1/2010
January 2010	601	Biochemical Oxygen Dem	30D Conc	10	11.5	1/1/2010
January 2010	601	Biochemical Oxygen Dem	30D Qty	0.62	1.58402	1/1/2010
January 2010	601	Nitrogen, Ammonia (NH3	1D Qty	0.25	.46328	1/7/2010
January 2010	601	Biochemical Oxygen Dem	1D Conc	15	20.	1/7/2010
January 2010	601	Biochemical Oxygen Dem	1D Qty	0.94	2.7252	1/7/2010
February 2010	601	Biochemical Oxygen Dem	30D Qty	0.62	.95382	2/1/2010
February 2010	601	Biochemical Oxygen Dem	1D Qty	0.94	1.49886	2/18/2010
April 2010	601	Biochemical Oxygen Dem	30D Conc	10	38.5	4/1/2010
April 2010	601	Biochemical Oxygen Dem	30D Qty	0.62	4.36032	4/1/2010
April 2010	601	Biochemical Oxygen Dem	1D Conc	15	74.	4/22/2010
April 2010	601	Biochemical Oxygen Dem	1D Qty	0.94	8.06659	4/22/2010
May 2010	601	Biochemical Oxygen Dem	30D Qty	0.62	1.02649	5/1/2010
May 2010	601	Fecal Coliform	1D Conc	400	750.	5/13/2010
May 2010	601	Biochemical Oxygen Dem	1D Qty	0.94	1.39894	5/21/2010
June 2010	601	Biochemical Oxygen Dem	30D Qty	0.62	.65405	6/1/2010
June 2010	601	Fecal Coliform	1D Conc	400	950.	6/11/2010
July 2010	601	Nitrogen, Ammonia (NH3	30D Conc	1.6	1.9	7/1/2010
July 2010	601	Nitrogen, Ammonia (NH3	30D Qty	0.09	.41423	7/1/2010
July 2010	601	Fecal Coliform	30D Conc	400	1129.15	7/1/2010
July 2010	601	Biochemical Oxygen Dem	30D Qty	0.62	1.74413	7/1/2010
July 2010	601	Nitrogen, Ammonia (NH3	1D Qty	0.15	.17441	7/8/2010
July 2010	601	Fecal Coliform	1D Conc	400	1500.	7/8/2010
July 2010	601	Biochemical Oxygen Dem	1D Qty	0.94	1.3081	7/8/2010
July 2010	601	Nitrogen, Ammonia (NH3	1D Conc	2.4	3.	7/22/2010
July 2010	601	Nitrogen, Ammonia (NH3	1D Qty	0.15	.65405	7/22/2010

Reporting Period	Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
July 2010	601	Fecal Coliform	1D Conc	400	850.	7/22/2010
July 2010	601	Biochemical Oxygen Dem	1D Qty	0.94	2.18016	7/22/2010
August 2010	601	Nitrogen, Ammonia (NH3	30D Conc	1.6	4.05	8/1/2010
August 2010	601	Nitrogen, Ammonia (NH3	30D Qty	0.09	.73308	8/1/2010
August 2010	601	Nitrogen, Ammonia (NH3	1D Conc	2.4	3.	8/12/2010
August 2010	601	Nitrogen, Ammonia (NH3	1D Qty	0.15	.35428	8/12/2010
August 2010	601	Nitrogen, Ammonia (NH3	1D Conc	2.4	5.1	8/26/2010
August 2010	601	Nitrogen, Ammonia (NH3	1D Qty	0.15	1.11188	8/26/2010
September 2010	601	Nitrogen, Ammonia (NH3	30D Conc	1.6	1.7	9/1/2010
September 2010	601	Nitrogen, Ammonia (NH3	30D Qty	0.09	.37063	9/1/2010
September 2010	601	Biochemical Oxygen Dem	30D Qty	0.62	.98107	9/1/2010
September 2010	601	Biochemical Oxygen Dem	1D Qty	0.94	1.09008	9/10/2010
September 2010	601	Nitrogen, Ammonia (NH3	1D Conc	2.4	3.3	9/24/2010
September 2010	601	Nitrogen, Ammonia (NH3	1D Qty	0.15	.71945	9/24/2010
October 2010	601	Nitrogen, Ammonia (NH3	30D Conc	1.6	9.75	10/1/2010
October 2010	601	Nitrogen, Ammonia (NH3	30D Qty	0.09	2.12566	10/1/2010
October 2010	601	Biochemical Oxygen Dem	30D Qty	0.62	.65405	10/1/2010
October 2010	601	Nitrogen, Ammonia (NH3	1D Conc	2.4	9.5	10/7/2010
October 2010	601	Nitrogen, Ammonia (NH3	1D Qty	0.15	2.07115	10/7/2010
October 2010	601	Nitrogen, Ammonia (NH3	1D Conc	2.4	10.	10/21/2010
October 2010	601	Nitrogen, Ammonia (NH3	1D Qty	0.15	2.18016	10/21/2010
November 2010	601	Nitrogen, Ammonia (NH3	30D Conc	3	6.35	11/1/2010
November 2010	601	Nitrogen, Ammonia (NH3	30D Qty	0.19	1.04511	11/1/2010
November 2010	601	Biochemical Oxygen Dem	30D Qty	0.62	.80393	11/1/2010
November 2010	601	Nitrogen, Ammonia (NH3	1D Conc	4	4.4	11/11/2010
November 2010	601	Nitrogen, Ammonia (NH3	1D Qty	0.25	.95927	11/11/2010
November 2010	601	Nitrogen, Ammonia (NH3	1D Conc	4	8.3	11/23/2010
November 2010	601	Nitrogen, Ammonia (NH3	1D Qty	0.25	1.13096	11/23/2010
November 2010	601	Biochemical Oxygen Dem	1D Qty	0.94	.95382	11/23/2010
December 2010	601	Nitrogen, Ammonia (NH3	30D Conc	0.72	21.45	12/1/2010
December 2010	601	Nitrogen, Ammonia (NH3	7D Conc	0.94	24.4	12/1/2010
December 2010	601	Nitrogen, Ammonia (NH3	30D Qty	0.0117	3.34655	12/1/2010
December 2010	601	Nitrogen, Ammonia (NH3	7D Qty	0.0153	2.6598	12/1/2010
December 2010	601	Biochemical Oxygen Dem	30D Conc	2.34	81.	12/1/2010
December 2010	601	Biochemical Oxygen Dem	7D Conc	3.54	12.	12/1/2010
December 2010	601	Biochemical Oxygen Dem	30D Qty	0.038	17.0052	12/1/2010
December 2010	601	Biochemical Oxygen Dem	7D Qty	0.0575	1.3081	12/1/2010
December 2010	601	Nitrogen, Ammonia (NH3	7D Conc	0.94	18.5	12/15/2010
December 2010	601	Nitrogen, Ammonia (NH3	7D Qty	0.0153	4.0333	12/15/2010
December 2010	601	Biochemical Oxygen Dem	7D Conc	3.54	150.	12/15/2010
December 2010	601	Biochemical Oxygen Dem	7D Qty	0.0575	32.7024	12/15/2010
January 2011	601	Nitrogen, Ammonia (NH3	30D Conc	0.72	34.45	1/1/2011
January 2011	601	Nitrogen, Ammonia (NH3	7D Conc	0.94	42.	1/1/2011
January 2011	601	Nitrogen, Ammonia (NH3	30D Qty	0.0117	7.51065	1/1/2011

Reporting Period	Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
January 2011	601	Nitrogen, Ammonia (NH3	7D Qty	0.0153	9.15667	1/1/2011
January 2011	601	Biochemical Oxygen Dem	30D Conc	2.34	35.	1/1/2011
January 2011	601	Biochemical Oxygen Dem	7D Conc	3.54	29.	1/1/2011
January 2011	601	Biochemical Oxygen Dem	30D Qty	0.038	7.63056	1/1/2011
January 2011	601	Biochemical Oxygen Dem	7D Qty	0.0575	6.32246	1/1/2011
January 2011	601	Nitrogen, Ammonia (NH3	7D Conc	0.94	26.9	1/15/2011
January 2011	601	Nitrogen, Ammonia (NH3	7D Qty	0.0153	5.86463	1/15/2011
January 2011	601	Biochemical Oxygen Dem	7D Conc	3.54	41.	1/15/2011
January 2011	601	Biochemical Oxygen Dem	7D Qty	0.0575	8.93866	1/15/2011
February 2011	601	Total Suspended Solids	30D Qty	0.195	1.74413	2/1/2011
February 2011	601	Total Suspended Solids	7D Qty	0.293	.43603	2/1/2011
February 2011	601	Nitrogen, Ammonia (NH3	30D Conc	0.72	16.05	2/1/2011
February 2011	601	Nitrogen, Ammonia (NH3	7D Conc	0.94	11.5	2/1/2011
February 2011	601	Nitrogen, Ammonia (NH3	30D Qty	0.0117	3.49916	2/1/2011
February 2011	601	Nitrogen, Ammonia (NH3	7D Qty	0.0153	2.50718	2/1/2011
February 2011	601	Biochemical Oxygen Dem	30D Conc	2.34	9.	2/1/2011
February 2011	601	Biochemical Oxygen Dem	7D Conc	3.54	7.	2/1/2011
February 2011	601	Biochemical Oxygen Dem	30D Qty	0.038	1.96214	2/1/2011
February 2011	601	Biochemical Oxygen Dem	7D Qty	0.0575	1.52611	2/1/2011
February 2011	001	Residue, Total Dissolv	1D Conc	1500	1630.	2/3/2011
February 2011	601	Total Suspended Solids	7D Qty	0.293	1.3081	2/8/2011
February 2011	601	Biochemical Oxygen Dem	7D Conc	3.54	9.	2/8/2011
February 2011	601	Biochemical Oxygen Dem	7D Qty	0.0575	1.96214	2/8/2011
February 2011	601	Total Suspended Solids	7D Qty	0.293	3.05222	2/15/2011
February 2011	601	Nitrogen, Ammonia (NH3	7D Conc	0.94	20.6	2/15/2011
February 2011	601	Nitrogen, Ammonia (NH3	7D Qty	0.0153	4.49113	2/15/2011
February 2011	601	Biochemical Oxygen Dem	7D Conc	3.54	8.	2/15/2011
February 2011	601	Biochemical Oxygen Dem	7D Qty	0.0575	1.74413	2/15/2011
February 2011	601	Total Suspended Solids	7D Qty	0.293	2.18016	2/22/2011
February 2011	601	Biochemical Oxygen Dem	7D Conc	3.54	12.	2/22/2011
February 2011	601	Biochemical Oxygen Dem	7D Qty	0.0575	2.61619	2/22/2011
March 2011	601	Total Suspended Solids	7D Conc	18	24.	3/1/2011
March 2011	601	Total Suspended Solids	30D Qty	0.195	1.68962	3/1/2011
March 2011	601	Total Suspended Solids	7D Qty	0.293	5.23238	3/1/2011
March 2011	601	Nitrogen, Ammonia (NH3	30D Conc	0.72	4.6	3/1/2011
March 2011	601	Nitrogen, Ammonia (NH3	7D Conc	0.94	4.1	3/1/2011
March 2011	601	Nitrogen, Ammonia (NH3	30D Qty	0.0117	1.00287	3/1/2011
March 2011	601	Nitrogen, Ammonia (NH3	7D Qty	0.0153	.89387	3/1/2011
March 2011	601	Biochemical Oxygen Dem	30D Conc	2.34	13.	3/1/2011
March 2011	601	Biochemical Oxygen Dem	7D Conc	3.54	28.	3/1/2011
March 2011	601	Biochemical Oxygen Dem	30D Qty	0.038	2.83421	3/1/2011
March 2011	601	Biochemical Oxygen Dem	7D Qty	0.0575	6.10445	3/1/2011
March 2011	601	Biochemical Oxygen Dem	7D Conc	3.54	7.	3/8/2011
March 2011	601	Biochemical Oxygen Dem	7D Qty	0.0575	1.52611	3/8/2011

Reporting Period	Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
March 2011	601	Total Suspended Solids	7D Qty	0.293	.65405	3/15/2011
March 2011	601	Nitrogen, Ammonia (NH3	7D Conc	0.94	5.1	3/15/2011
March 2011	601	Nitrogen, Ammonia (NH3	7D Qty	0.0153	1.11188	3/15/2011
March 2011	601	Biochemical Oxygen Dem	7D Conc	3.54	10.	3/15/2011
March 2011	601	Biochemical Oxygen Dem	7D Qty	0.0575	2.18016	3/15/2011
March 2011	601	Total Suspended Solids	7D Qty	0.293	.65405	3/22/2011
March 2011	601	Biochemical Oxygen Dem	7D Conc	3.54	7.	3/22/2011
March 2011	601	Biochemical Oxygen Dem	7D Qty	0.0575	1.52611	3/22/2011
April 2011	601	Total Suspended Solids	7D Conc	18	31.	4/1/2011
April 2011	601	Total Suspended Solids	30D Qty	0.195	2.12566	4/1/2011
April 2011	601	Total Suspended Solids	7D Qty	0.293	6.7585	4/1/2011
April 2011	601	Nitrogen, Ammonia (NH3	30D Conc	0.72	21.1	4/1/2011
April 2011	601	Nitrogen, Ammonia (NH3	7D Conc	0.94	38.3	4/1/2011
April 2011	601	Nitrogen, Ammonia (NH3	30D Qty	0.0117	4.60014	4/1/2011
April 2011	601	Nitrogen, Ammonia (NH3	7D Qty	0.0153	8.35001	4/1/2011
April 2011	601	Biochemical Oxygen Dem	30D Conc	2.34	20.	4/1/2011
April 2011	601	Biochemical Oxygen Dem	7D Conc	3.54	49.	4/1/2011
April 2011	601	Biochemical Oxygen Dem	30D Qty	0.038	4.36032	4/1/2011
April 2011	601	Biochemical Oxygen Dem	7D Qty	0.0575	10.6827	4/1/2011
April 2011	001	Residue, Total Dissolv	1D Conc	1500	1870.	4/7/2011
April 2011	601	Total Suspended Solids	7D Qty	0.293	.43603	4/8/2011
April 2011	601	Biochemical Oxygen Dem	7D Conc	3.54	25.	4/8/2011
April 2011	601	Biochemical Oxygen Dem	7D Qty	0.0575	5.4504	4/8/2011
April 2011	001	Residue, Total Dissolv	1D Conc	1500	1880.	4/14/2011
April 2011	601	Total Suspended Solids	7D Qty	0.293	.65405	4/15/2011
April 2011	601	Nitrogen, Ammonia (NH3	7D Conc	0.94	3.9	4/15/2011
April 2011	601	Nitrogen, Ammonia (NH3	7D Qty	0.0153	.85026	4/15/2011
April 2011	601	Biochemical Oxygen Dem	7D Qty	0.0575	.65405	4/15/2011
April 2011	001	Residue, Total Dissolv	1D Conc	1500	1820.	4/21/2011
April 2011	001	Residue, Total Dissolv	1D Conc	1500	1840.	4/22/2011
April 2011	601	Total Suspended Solids	7D Qty	0.293	.65405	4/22/2011
April 2011	601	Biochemical Oxygen Dem	7D Qty	0.0575	.65405	4/22/2011
May 2011	601	Nitrogen, Ammonia (NH3	30D Conc	1.6	16.75	5/1/2011
May 2011	601	Nitrogen, Ammonia (NH3	30D Qty	0.09	3.67571	5/1/2011
May 2011	601	Biochemical Oxygen Dem	30D Conc	10	24.4	5/1/2011
May 2011	601	Biochemical Oxygen Dem	30D Qty	0.62	4.78038	5/1/2011
May 2011	601	Oil and Grease, Hexane	30D Qty	0.75	1.10049	5/1/2011
May 2011	601	Nitrogen, Ammonia (NH3	1D Conc	2.4	22.	5/5/2011
May 2011	601	Nitrogen, Ammonia (NH3	1D Qty	0.15	4.79635	5/5/2011
May 2011	601	Biochemical Oxygen Dem	1D Conc	15	42.	5/5/2011
May 2011	601	Biochemical Oxygen Dem	1D Qty	0.94	9.15667	5/5/2011
May 2011	601	Nitrogen, Ammonia (NH3	1D Conc	2.4	11.5	5/19/2011
May 2011	601	Nitrogen, Ammonia (NH3	1D Qty	0.15	2.55506	5/19/2011
May 2011	001	Dissolved Oxygen	1D Conc	6.0	3.9	5/22/2011

Overall the results of this inspection were satisfactory. Should you have any questions or comments regarding this letter, please contact this office at (330) 963-1255.

Respectfully,

Todd Surrena

Todd Surrena
Engineering Geologist
Division of Surface Water

TMS/mt

cc: Wayne County Health Department

ec: Steve Wolf

File: Industrial/Permit Compliance/OhioFarmsPacking