



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

April 4, 2013

RE: TRUMBULL COUNTY
KINSMAN TOWNSHIP
AUNTIE V'S PIZZERIA
(FKA KINSMAN PIZZA)
6442 KINSMAN NICKERSON ROAD
NPDES PERMIT NO. OH0133116
OHIO EPA PERMIT NO. 3PR00330

Terrence and Alison Evans
2898 Fallehn Drive
Cortland, Ohio 44410

Mr. and Mrs. Evans:

Ohio EPA performed a compliance evaluation inspection of the wastewater treatment works serving the above-referenced facility on March 28, 2013. The inspection was conducted to evaluate the operation and maintenance of the treatment works, and determine the facility's overall compliance with the terms and conditions of the National Pollutant Discharge Elimination System (NPDES) permit.

The existing 750-gpd treatment system consists of a trash trap, extended aeration activated sludge treatment process, final settling tank, dual-unit slow surface sand filtration, and chlorination/dechlorination tank. Treated effluent is discharged to Pymatuning Creek.

During the inspection, the following observations and/or deficiencies were noted:

1. The overall operation and maintenance of the treatment works was poor.
2. A bound and numbered logbook was not observed at the facility. Please ensure that a bound and numbered logbook is maintained on site, and used to document all operation and maintenance activities at the treatment plant. Plant operation and maintenance personnel should log their time in and out, the date, a brief description of the work performed, and their initials.
3. The mixed liquor was a light brown color and quite watery. The mixed liquor in a well-operated activated sludge process should exhibit a chocolate brown color.
4. The grating over the aeration tank is rusted.
5. The operating blower is making a grinding noise, and needs to be serviced.
6. The backup blower does not appear to be operational. It must be serviced, and restored to working order.

7. Heavy amounts of floating sludge were observed in the clarifier. The skimmer was not operating properly due to the heavy amounts of floating, caked sludge.
8. Heavy amounts of sludge were caked on and under the overflow weir, impeding proper water flow through the weir and into the sand filter dose tank. This must be cleaned immediately.
9. The high level alarm on the dose tank control box does not appear to be functional. It must be repaired immediately.
10. The dose tank and its associated equipment (piping, pumps, etc.) was covered in heavy amounts of moss and vegetative growth. The moss and vegetation must be removed to ensure the equipment does not become fouled up and inoperable.
11. When the dose tank pumps cycled, partially treated wastewater was observed bubbling to the ground surface along the north side of the west sand filter. This indicates a possible broken force main, leaky sand filter wall, or both. The cause of the surfacing wastewater needs to be immediately determined and corrected. Please note that Part III of the NPDES permit contains specific language that: 1) requires that the treatment works be regularly maintained, and 2) prohibits treatment works bypasses.
12. Heavy sludge deposits and a large volume of ponded water were observed in the sand filters. Better settling in the clarifier will improve the performance of the sand filters.
13. A cutout portion in the sand filter dividing wall was allowing partially treated wastewater to pool in both filters. Only one filter should be in use at a time, while the other rests.
14. Please install riprap around the sand filter splash pads.
15. Part II, L of the facility's NPDES permit requires that an outfall sign be erected at the outfall point. No such sign was observed during the inspection. Please refer to the above-referenced portion of the NPDES permit for specific instructions regarding the sizing, positioning, and what information must be displayed on the sign.
16. The final effluent appeared to be relatively clear, and was not causing any immediately-noticeable, adverse impacts to the receiving stream.

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A review of the facility's monthly electronic Discharge Monitoring Reports (eDMRs) received by Ohio EPA for the period May 2010 – March 2013 indicated violations of the terms and conditions contained in the NPDES permit. The specific instances of noncompliance include:

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
3PR00330*AD	June 2010	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	1.01	6/1/2010
3PR00330*AD	June 2010	001	31616	Fecal Coliform	30D Conc	1000	1000.	6/1/2010
3PR00330*AD	June 2010	001	00300	Dissolved Oxygen	1D Conc	5.0	4.	6/8/2010
3PR00330*BD	March 2011	001	00530	Total Suspended Solids	30D Conc	12	22.	3/1/2011
3PR00330*BD	March 2011	001	00530	Total Suspended Solids	7D Conc	18	22.	3/1/2011
3PR00330*BD	March 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	10.7	3/1/2011
3PR00330*BD	March 2011	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	10.7	3/1/2011
3PR00330*BD	March 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.009	.01012	3/1/2011
3PR00330*BD	March 2011	001	80082	CBOD 5 day	30D Conc	10	27.	3/1/2011
3PR00330*BD	March 2011	001	80082	CBOD 5 day	7D Conc	15	27.	3/1/2011
3PR00330*BD	March 2011	001	00300	Dissolved Oxygen	1D Conc	5.0	3.	3/6/2011
3PR00330*BD	June 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	2.86	6/1/2011
3PR00330*BD	June 2011	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	2.86	6/1/2011
3PR00330*BD	June 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.003	.00325	6/1/2011
3PR00330*BD	June 2011	001	31648	E. coli	30D Conc	126	730.	6/1/2011
3PR00330*BD	June 2011	001	31648	E. coli	7D Conc	284	730.	6/1/2011
3PR00330*BD	August 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	2.86	8/1/2011
3PR00330*BD	August 2011	001	31648	E. coli	30D Conc	126	730.	8/1/2011
3PR00330*BD	August 2011	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	2.86	8/8/2011
3PR00330*BD	August 2011	001	31648	E. coli	7D Conc	284	730.	8/8/2011
3PR00330*BD	March 2012	001	80082	CBOD 5 day	30D Conc	10	22.	3/1/2012
3PR00330*BD	March 2012	001	80082	CBOD 5 day	7D Conc	15	22.	3/8/2012
3PR00330*BD	March 2012	001	00300	Dissolved Oxygen	1D Conc	5.0	3.5	3/13/2012
3PR00330*BD	June 2012	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	1.64	6/1/2012
3PR00330*BD	June 2012	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	1.64	6/8/2012
3PR00330*BD	August 2012	001	00300	Dissolved Oxygen	1D Conc	5.0	2.5	8/6/2012

Permit No	Reporting Period	Station	Reporting Code	Parameter	Sample Frequency	Expected	Reported	Violation Date
3PR00330*AD	August 2010	001	00530	Total Suspended Solids	1/Quarter	1	0	8/1/2010
3PR00330*AD	August 2010	001	00610	Nitrogen, Ammonia (NH3)	1/Quarter	1	0	8/1/2010
3PR00330*AD	August 2010	001	31616	Fecal Coliform	1/Quarter	1	0	8/1/2010
3PR00330*AD	August 2010	001	80082	CBOD 5 day	1/Quarter	1	0	8/1/2010
3PR00330*AD	August 2010	001	50060	Chlorine, Total Residu	1/Quarter	1	0	8/1/2010

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3PR00330*AD	August 2010	001	00300	Dissolved Oxygen	1/Quarter	1	0	8/1/2010
3PR00330*BD	December 2010	001	00530	Total Suspended Solids	1/Quarter	1	0	12/1/2010
3PR00330*BD	December 2010	001	00610	Nitrogen, Ammonia (NH3)	1/Quarter	1	0	12/1/2010
3PR00330*BD	December 2010	001	80082	CBOD 5 day	1/Quarter	1	0	12/1/2010
3PR00330*BD	December 2010	001	00400	pH	1/Quarter	1	0	12/1/2010
3PR00330*BD	December 2010	001	00300	Dissolved Oxygen	1/Quarter	1	0	12/1/2010
3PR00330*BD	December 2012	001	00530	Total Suspended Solids	1/Quarter	1	0	12/1/2012
3PR00330*BD	December 2012	001	00610	Nitrogen, Ammonia (NH3)	1/Quarter	1	0	12/1/2012
3PR00330*BD	December 2012	001	80082	CBOD 5 day	1/Quarter	1	0	12/1/2012
3PR00330*BD	December 2012	001	00400	pH	1/Quarter	1	0	12/1/2012
3PR00330*BD	December 2012	001	00300	Dissolved Oxygen	1/Quarter	1	0	12/1/2012

The eDMR review indicated that the facility has been mostly reporting flow values of 250 gallons per day since approximately March 2012. Please provide an explanation as to how the daily flows values are determined. Please note that the NPDES permit requires a 24-hr total estimate. Averaging out the flow values over the weekend would **not** meet the requirement. Please refer to the note on Pages 4 - 5 of the NPDES permit for acceptable methods of estimating flow.

The eDMR review also indicated a missed quarterly effluent sampling event for the last quarter of 2012. Additionally, this office does not have any indication that an effluent sample was taken for the first quarter of 2013 (required to be taken in March). Is there a pending laboratory analysis for the required March sampling event? If not, you must immediately take a sample of the effluent, and indicate on the eDMRs that it is a late effluent sampling event for the first quarter of 2013.

In addition to the eDMR review, this office also noted that the facility has designated Terrence Evans as its operator of record. However, his wastewater license expired in 2011, and is therefore no longer valid. The facility is thus considered to be without a certified operator of record, which violates the requirements described in Part II, B of the NPDES permit. If Mr. Evans wishes to renew his wastewater license, he must contact Ohio EPA's operator certification unit for instructions on how to renew his license.

The operator certification unit can be reached at 1-866-411-6728. In the interim, Auntie V's Pizzeria must designate another operator of record on the enclosed Operator of Record Notification (ORC) form.

In addition to the inspection findings and the eDMR review, you were also required to submit to this office, within six months of the effective date of the NPDES permit, a report evaluating the ability of the existing treatment works to meet the Escherichia coli (E. coli) monitoring limits that became effective twelve months after the effective date of the NPDES permit, which was September 1, 2010. To date, this office has not received the required E. coli status report.

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Please be advised that failure to comply with the terms and conditions of your NPDES permit may be subject to enforcement actions pursuant to Chapter 6111 of the Ohio Revised Code. Additionally, past or current acts of noncompliance can continue as subjects of future enforcement actions. Such enforcement actions can result in fines of up to \$10,000 per day of violation.

The inspection findings and the eDMR review indicate that the facility is in violation of a number of the terms and conditions of the NPDES permit. As such, you must submit to this office, within 14 days' receipt of this notification, written documentation describing the actions that will be taken, or have been taken, to address all of the violations/deficiencies identified in this letter. Your response shall include specific dates for the initiation and completion of this action plan.

Should you have any questions or comments regarding this letter, please contact this office at (330) 963-1120.

Respectfully,



Tomás Parry, P.E.
Environmental Engineer
Division of Surface Water

TP/cs

Attachments: ORC Form
Photographs

cc: Auntie V's Pizzeria
Richard Curl, R.S., Trumbull County Board of Health



