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

February 5, 2013

RE: VILLAGE OF SALINEVILLE
COMPLIANCE EVALUATION INSPECTION
NPDES PERMIT NO: 3PB00026
COLUMBIANA COUNTY

NOTICE OF VIOLATION

Village of Salineville
Attn: Mayor and Council
34 Washington Street
Salineville, OH 43945

Dear Ladies and Gentlemen:

On January 31, 2013, this writer met with Mr. Travis Needham, maintenance, and members of the village council and village staff. This office conducted an inspection of the operation and maintenance of the Salineville Wastewater Treatment Plant located on State Route 39. Mr. Joe DeNero was present to review the facility as a potential future operator. The plant has been without an operator since November 2012 when Mr. Ours left. This is a violation of your NPDES permit. This facility is currently in significant non-compliance with its NPDES Permit for effluent vilolations.

The treatment system includes comminutor (with bar screen by-pass), influent pumping, aeration, clarification, chlorination/dechlorination and the final effluent discharges to the north fork of Yellow Creek. This is a very high quality stream. The following is a summary of the inspection:

1) The comminutor was not in service and has not been in use for several years because it is not effective. Another issue was the unit was damaged every time there was a flooding event in influent chamber. This unit sits well below the ground level and floods periodically during storm events. The manual by-pass bar screen is being utilized by the operators.

2) Screenings from the by-pass bar screen are being placed in a bucket for disposal in a landfill.

3) Two of the three influent pumps were operational. One pump is brand new the other has been rebuilt. One of the pumps had been out of service for almost two years. Two years is not acceptable for pump repairs. The third pump has the packing leaking and must be repaired. All three pumps must be returned to good working order so the plant may operate as designed.

4) A great deal of solids and debris are passing through to the aeration tank, clarifiers and the sludge holding tank. The Village must evaluate alternative equipment to remove these materials at the head of the system. This office can understand not wasting money to continually repair the comminutor; however, an alternative form of

pretreatment must be installed. The operators are currently using the by-pass bar screen to manually remove solids and rags. This method is only marginally effective.

5) The facility is still experiencing some excess infiltration/inflow in the village's sanitary sewer collection system. The Village must continue on-going sewer rehabilitation to remove the Infiltration and Inflow. The Village must report in writing the steps being taken to remove Infiltration and Inflow. If the Village does not have a sewer ordinance prohibiting clean water connections to the sanitary sewer (roof drains, down spouts, etc.) it must do so immediately.

6) The village must also establish a sewer use ordinance for Oil and Grease within the collection system. The ordinance should establish a discharge limit for Oil and Grease within the collection system.

7) The plant in the past has experienced an overflow at the splitter pipe to the aeration tanks. This was due to rags passing through the head of the plant. This is another reason to upgrade the plant head works. These are causing occasional spills at the plant. The operators reported the spills as required by NPDES permit. The previous operator, Mr. Ours, modified the pipe to try to eliminate future spills.

8) The aeration tanks appeared to have a good color and a good roll across the tank.

9) Only one of the clarifiers was in service. Some solids were flowing into the effluent weir. These units are having ongoing problems and continually need service. The chains on the settling tank skimmer and returns are often breaking as well as the gear boxes. One of the problems is that spare parts cannot be purchased and must be manufactured. The plant is experiencing periodic suspended solids violations with its effluent. The suspended solids violations are, in large part, a result of the two clarifiers being 34 years old. The chlorine contact tank had a large amount of solids in the tank that have passed through from the clarifier. The Village must keep all equipment in good working order.

10) The plant has been disposing of sludge by hauling it to the Elkton Wastewater Treatment Plant. The treatment plant has not wasted any sludge from the system since Mr. Ours left in November.

11) A review of the discharge monitoring reports from January 2011 through December 2012 revealed some significant violations. The violations are attached for your review. This facility is currently considered in significant non-compliance with its NPDES permit. One of the more significant violations was the failure to submit monthly operating reports from April through May of 2011. The Village has also failed to report monitoring data since Mr. Ours left in November. The samples have been collected but not reported. The entire laboratory QA/QC may not have been completed on the sampling methods either. There are some problems ongoing with pH violations and past plant staff has investigated various solutions but the problem still persists. The summer of 2011 one of the aeration tanks was emptied and cleaned to remove sediments from the system to help address the pH issue. The operator is at the plant seven days a week for 2-3 hours a day. Given the plants age and the level of maintenance required, the staff is doing a good job. The Village will need a clean quarter of sampling of all parameters currently in violation to return to

compliance. The Village must create a plan to return the plant to regular and reliable compliance. This office has informed the Village the last several inspections to begin to financially plan to make replacement plans for older equipment. The plant head works and the final clarifiers are of particular concern for maintaining effluent compliance.

12) The Village must evaluate the older equipment and make necessary changes. Recent effluent monitoring data has demonstrated the plant may no longer be able to reliably stay in compliance. While keeping critical spare parts on-site (clarifier gear boxes), it will only be a temporary solution. Extended periods of equipment down time are not acceptable, especially if effluent violations are occurring.

13) The Village should contact and arrange a meeting with the Division of Environmental and Financial Assistance (DEFA) to start the process for funding assistance. Ms. Judy Mentzer (614-644-3649) will be able to help you get the process started. The arrangement for a meeting must be completed within the next two weeks.

The above requested information must be submitted in a response letter, by the Village, by February 22, 2013. Failure by the Village to return the plant to compliance could result in future enforcement actions.

Should you have any comments or questions, feel free to contact me at (330) 963-1193.

Respectfully,

Joseph E. Trocchio

Joseph E. Trocchio, P.E.
Environmental Engineer
Division of Surface Water

JET/cs

cc: Salineville Village Council,
WWTP Operator

ec: Chris Moody, Ohio EPA, DSW, NEDO
Dean Stoll, P.E., Enforcement Coordinator DSW, NEDO
Judy Mentzer, DEFA, CO

File: Public/Permit Compliance/City of Salineville

Salineville Wastewater Treatment Plant Effluent Violations - Jan 2011 - Dec 2012						
Permit No	Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
3PB00026*ED	January 2011	pH	1D Conc	6.5	6.	1/4/2011
3PB00026*ED	January 2011	pH	1D Conc	6.5	6.	1/5/2011
3PB00026*ED	January 2011	pH	1D Conc	6.5	6.4	1/24/2011
3PB00026*ED	February 2011	Total Suspended Solids	30D Conc	30	40.975	2/1/2011
3PB00026*ED	February 2011	Total Suspended Solids	7D Conc	45	103.15	2/22/2011
3PB00026*ED	February 2011	Total Suspended Solids	7D Qty	34.1	54.7750	2/22/2011
3PB00026*ED	March 2011	Nitrogen, Ammonia (NH3)	30D Conc	6.2	6.958	3/1/2011
3PB00026*ED	March 2011	Nitrogen, Ammonia (NH3)	7D Conc	12.5	13.8	3/22/2011
3PB00026*ED	July 2011	pH	1D Conc	6.5	6.4	7/6/2011
3PB00026*ED	July 2011	pH	1D Conc	6.5	5.7	7/7/2011
3PB00026*ED	July 2011	pH	1D Conc	6.5	5.8	7/8/2011
3PB00026*ED	July 2011	pH	1D Conc	6.5	4.8	7/11/2011
3PB00026*ED	July 2011	pH	1D Conc	6.5	6.1	7/12/2011
3PB00026*ED	July 2011	pH	1D Conc	6.5	6.4	7/13/2011
3PB00026*ED	July 2011	pH	1D Conc	6.5	6.1	7/14/2011
3PB00026*ED	July 2011	pH	1D Conc	6.5	5.2	7/18/2011
3PB00026*ED	July 2011	pH	1D Conc	6.5	6.	7/22/2011
3PB00026*ED	July 2011	pH	1D Conc	6.5	6.	7/25/2011
3PB00026*ED	July 2011	pH	1D Conc	6.5	6.	7/26/2011
3PB00026*ED	July 2011	pH	1D Conc	6.5	6.3	7/27/2011
3PB00026*ED	July 2011	pH	1D Conc	6.5	6.2	7/28/2011
3PB00026*ED	August 2011	pH	1D Conc	6.5	6.1	8/1/2011
3PB00026*ED	August 2011	pH	1D Conc	6.5	6.	8/2/2011
3PB00026*ED	August 2011	pH	1D Conc	6.5	5.9	8/4/2011
3PB00026*ED	August 2011	pH	1D Conc	6.5	5.8	8/5/2011
3PB00026*ED	August 2011	pH	1D Conc	6.5	6.4	8/8/2011
3PB00026*ED	August 2011	pH	1D Conc	6.5	6.1	8/9/2011
3PB00026*ED	August 2011	pH	1D Conc	6.5	5.9	8/10/2011
3PB00026*ED	August 2011	pH	1D Conc	6.5	5.9	8/11/2011
3PB00026*ED	August 2011	pH	1D Conc	6.5	6.4	8/15/2011
3PB00026*ED	August 2011	pH	1D Conc	6.5	6.4	8/16/2011
3PB00026*ED	August 2011	pH	1D Conc	6.5	6.2	8/17/2011
3PB00026*ED	August 2011	pH	1D Conc	6.5	6.	8/18/2011
3PB00026*ED	August 2011	pH	1D Conc	6.5	6.	8/19/2011
3PB00026*ED	August 2011	pH	1D Conc	6.5	5.8	8/22/2011
3PB00026*ED	August 2011	pH	1D Conc	6.5	5.8	8/23/2011
3PB00026*ED	August 2011	pH	1D Conc	6.5	5.8	8/25/2011
3PB00026*ED	August 2011	pH	1D Conc	6.5	5.8	8/26/2011
3PB00026*ED	August 2011	pH	1D Conc	6.5	5.5	8/29/2011
3PB00026*ED	August 2011	pH	1D Conc	6.5	6.1	8/30/2011
3PB00026*ED	August 2011	pH	1D Conc	6.5	5.5	8/31/2011
3PB00026*ED	September 2011	pH	1D Conc	6.5	5.3	9/1/2011
3PB00026*ED	September 2011	pH	1D Conc	6.5	5.2	9/2/2011

Salineville Wastewater Treatment Plant Effluent Violations - Jan 2011 - Dec 2012						
Permit No	Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
3PB00026*ED	September 2011	pH	1D Conc	6.5	4.9	9/7/2011
3PB00026*ED	September 2011	pH	1D Conc	6.5	6.3	9/8/2011
3PB00026*ED	September 2011	pH	1D Conc	6.5	5.1	9/9/2011
3PB00026*ED	September 2011	pH	1D Conc	6.5	6.4	9/12/2011
3PB00026*ED	September 2011	pH	1D Conc	6.5	5.5	9/13/2011
3PB00026*ED	October 2011	pH	1D Conc	6.5	6.4	10/7/2011
3PB00026*ED	October 2011	pH	1D Conc	6.5	6.4	10/25/2011
3PB00026*ED	November 2011	Total Suspended Solids	30D Conc	30	35.73	11/1/2011
3PB00026*ED	November 2011	pH	1D Conc	6.5	6.4	11/1/2011
3PB00026*ED	November 2011	pH	1D Conc	6.5	6.4	11/4/2011
3PB00026*ED	November 2011	pH	1D Conc	6.5	6.4	11/7/2011
3PB00026*ED	November 2011	pH	1D Conc	6.5	6.4	11/8/2011
3PB00026*ED	November 2011	pH	1D Conc	6.5	6.3	11/9/2011
3PB00026*ED	November 2011	pH	1D Conc	6.5	6.3	11/10/2011
3PB00026*ED	November 2011	pH	1D Conc	6.5	6.1	11/14/2011
3PB00026*ED	December 2011	pH	1D Conc	6.5	6.4	12/12/2011
3PB00026*ED	December 2011	pH	1D Conc	6.5	6.3	12/13/2011
3PB00026*ED	December 2011	pH	1D Conc	6.5	6.4	12/14/2011
3PB00026*ED	December 2011	pH	1D Conc	6.5	6.1	12/19/2011
3PB00026*ED	December 2011	pH	1D Conc	6.5	5.9	12/20/2011
3PB00026*ED	January 2012	Total Suspended Solids	30D Conc	30	38.4	1/1/2012
3PB00026*ED	January 2012	pH	1D Conc	6.5	6.2	1/5/2012
3PB00026*ED	January 2012	pH	1D Conc	6.5	6.	1/9/2012
3PB00026*ED	January 2012	pH	1D Conc	6.5	5.9	1/10/2012
3PB00026*ED	January 2012	pH	1D Conc	6.5	5.9	1/12/2012
3PB00026*ED	January 2012	pH	1D Conc	6.5	6.1	1/13/2012
3PB00026*ED	January 2012	Total Suspended Solids	7D Conc	45	113.	1/22/2012
3PB00026*ED	January 2012	Total Suspended Solids	7D Qty	34.1	77.1231	1/22/2012
3PB00026*ED	February 2012	pH	1D Conc	6.5	6.2	2/6/2012
3PB00026*ED	February 2012	pH	1D Conc	6.5	6.4	2/10/2012
3PB00026*ED	February 2012	pH	1D Conc	6.5	6.2	2/13/2012
3PB00026*ED	February 2012	pH	1D Conc	6.5	5.7	2/14/2012
3PB00026*ED	February 2012	pH	1D Conc	6.5	5.8	2/16/2012
3PB00026*ED	February 2012	pH	1D Conc	6.5	6.2	2/27/2012
3PB00026*ED	February 2012	pH	1D Conc	6.5	6.2	2/28/2012
3PB00026*ED	March 2012	Total Suspended Solids	30D Conc	30	75.125	3/1/2012
3PB00026*ED	March 2012	Total Suspended Solids	7D Conc	45	194.5	3/1/2012
3PB00026*ED	March 2012	Total Suspended Solids	30D Qty	22.7	27.2330	3/1/2012
3PB00026*ED	March 2012	Total Suspended Solids	7D Qty	34.1	65.3139	3/1/2012
3PB00026*ED	March 2012	Total Suspended Solids	7D Conc	45	52.5	3/15/2012
3PB00026*ED	March 2012	pH	1D Conc	6.5	6.4	3/23/2012
3PB00026*ED	March 2012	pH	1D Conc	6.5	6.2	3/30/2012
3PB00026*ED	April 2012	pH	1D Conc	6.5	5.8	4/3/2012

Salineville Wastewater Treatment Plant Effluent Violations - Jan 2011 - Dec 2012						
Permit No	Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
3PB00026*ED	April 2012	pH	1D Conc	6.5	6.1	4/5/2012
3PB00026*ED	April 2012	pH	1D Conc	6.5	5.5	4/9/2012
3PB00026*ED	April 2012	pH	1D Conc	6.5	5.8	4/10/2012
3PB00026*ED	April 2012	pH	1D Conc	6.5	6.4	4/11/2012
3PB00026*ED	April 2012	pH	1D Conc	6.5	5.8	4/12/2012
3PB00026*ED	May 2012	Nitrogen, Ammonia (NH3)	30D Conc	2.5	5.61833	5/1/2012
3PB00026*ED	May 2012	pH	1D Conc	6.5	6.4	5/11/2012
3PB00026*ED	May 2012	pH	1D Conc	6.5	6.4	5/14/2012
3PB00026*ED	June 2012	Total Suspended Solids	30D Conc	30	45.1875	6/1/2012
3PB00026*ED	June 2012	Nitrogen, Ammonia (NH3)	30D Conc	2.5	8.705	6/1/2012
3PB00026*ED	June 2012	Nitrogen, Ammonia (NH3)	7D Conc	3.7	4.61	6/1/2012
3PB00026*ED	June 2012	Nitrogen, Ammonia (NH3)	30D Qty	1.9	2.44886	6/1/2012
3PB00026*ED	June 2012	Chlorine, Total Residu	1D Conc	0.019	.17	6/13/2012
3PB00026*ED	June 2012	Chlorine, Total Residu	1D Conc	0.019	.19	6/14/2012
3PB00026*ED	June 2012	Total Suspended Solids	7D Conc	45	97.	6/15/2012
3PB00026*ED	June 2012	Nitrogen, Ammonia (NH3)	7D Conc	3.7	12.8	6/15/2012
3PB00026*ED	June 2012	Nitrogen, Ammonia (NH3)	7D Qty	2.8	3.5367	6/15/2012
3PB00026*ED	June 2012	Total Suspended Solids	7D Conc	45	49.	6/22/2012
3PB00026*ED	July 2012	Chlorine, Total Residu	1D Conc	0.019	.05	7/3/2012
3PB00026*ED	July 2012	Chlorine, Total Residu	1D Conc	0.019	.05	7/6/2012
3PB00026*ED	July 2012	Chlorine, Total Residu	1D Conc	0.019	.05	7/9/2012
3PB00026*ED	July 2012	Chlorine, Total Residu	1D Conc	0.019	.05	7/12/2012
3PB00026*ED	July 2012	Chlorine, Total Residu	1D Conc	0.019	.05	7/16/2012
3PB00026*ED	July 2012	Chlorine, Total Residu	1D Conc	0.019	.05	7/20/2012
3PB00026*ED	July 2012	Chlorine, Total Residu	1D Conc	0.019	.05	7/23/2012
3PB00026*ED	August 2012	Chlorine, Total Residu	1D Conc	0.019	.05	8/7/2012
3PB00026*ED	September 2012	Nitrogen, Ammonia (NH3)	30D Conc	2.5	2.895	9/1/2012
3PB00026*ED	September 2012	Nitrogen, Ammonia (NH3)	7D Conc	3.7	5.09	9/1/2012