

**Environmental  
Protection Agency**

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

May 16, 2010

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

Mayor Dave Berta  
Village of Salineville  
34 Washington Street  
Salineville, OH 43945

Dear Mayor Berta:

On March 16, 2011, this writer met with Mr. Beadle and conducted an inspection of the operation and maintenance of the Salineville Wastewater Treatment Plant located on State Route 39.

The treatment system includes a 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 in service but not in use because it is not effective.
- 2) Screenings from the by-pass bar screen are being placed in a bucket for disposal in a landfill.
- 3) An automatic dialer was installed to notify plant personnel if the pumps fail. Two of the three influent pumps were operational. One of the two operational pumps was experiencing leaking from the packing. All three pumps must be returned to good working order.
- 4) A great deal of solids and debris are passing through to the aeration tank and clarifiers. The Village must evaluate alternative equipment to remove these materials at the head of the system.
- 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.
- 6) The plant experienced an overflow at the manhole at the head of the plant. The operator failed to call in the incident but later corrected the problem. When the plant experiences by-passes or overflows, the sampling and reporting in the back of the permit must be followed.

- 7) The aeration tanks appeared to have a good color and a good roll across the tank. There was some foam on top of the tanks. The influent pipe had plugged at some point in time and a spill occurred down the wall of the tank. The spilled sludge must be cleaned up.
- 8) Only one of the clarifiers was in service. These units are having ongoing problems and are out of service for extended periods of time. One of the problems is that spare parts cannot be purchased and must be manufactured. Both skimmers were out and only one of the sludge returns was working. The plant is currently in significant noncompliance with its effluent. The suspended solids violations are, in large part, a result of the two clarifiers not being operational on a full time basis. The Village must keep all equipment in good working order. There was scum on top of the clarifier. Some minor solids were flowing into the effluent weir. Plant staff has requested to remove the skimmers since they are heavy and creating a stress on the motor and gear box. The surface of the clarifiers would be cleaned utilizing a hose to the drains. This office would not object to the Village trying this on a performance basis. The skimmers must be retained in the event the proposed manual method is not effective. The Village should also evaluate replacing the skimmers with a lighter material that would be less stress on the motor and gear box.
- 9) The sludge volume index (SVI), food to microorganism ratio (F/M ratio), and mixed liquor suspended solids (MLSS) currently being maintained in the system must be submitted to this office. These parameters help control and maintain the proper sludge levels within the wastewater treatment system. All sludge returns must be returned to good working order. The system will not operate efficiently if the returns are not operated continually.
- 10) A review of the discharge monitoring reports from January 2010 through March 2011 revealed some significant violations. The violations are attached for your review. As stated above, the plant is currently in significant non-compliance. This is, in large part, due to the continued periods of non-compliance of suspended solids. The Village must create a plan to return the plant to regular and reliable compliance. The operator may need to spend more time at the plant given its age and the level of maintenance required. The Village will need a clean quarter of sampling of all parameters currently in violation to return to compliance.
- 11) 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. Plant operations are

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not at the level of a few years ago; however, the Village must supply the necessary equipment to keep the plant running. Extended periods of equipment downtime are not acceptable, especially if effluent violations are occurring.

The above requested information must be submitted in a response by the Village by June 2, 2011. 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, P.E.  
Environmental Engineer  
Division of Surface Water

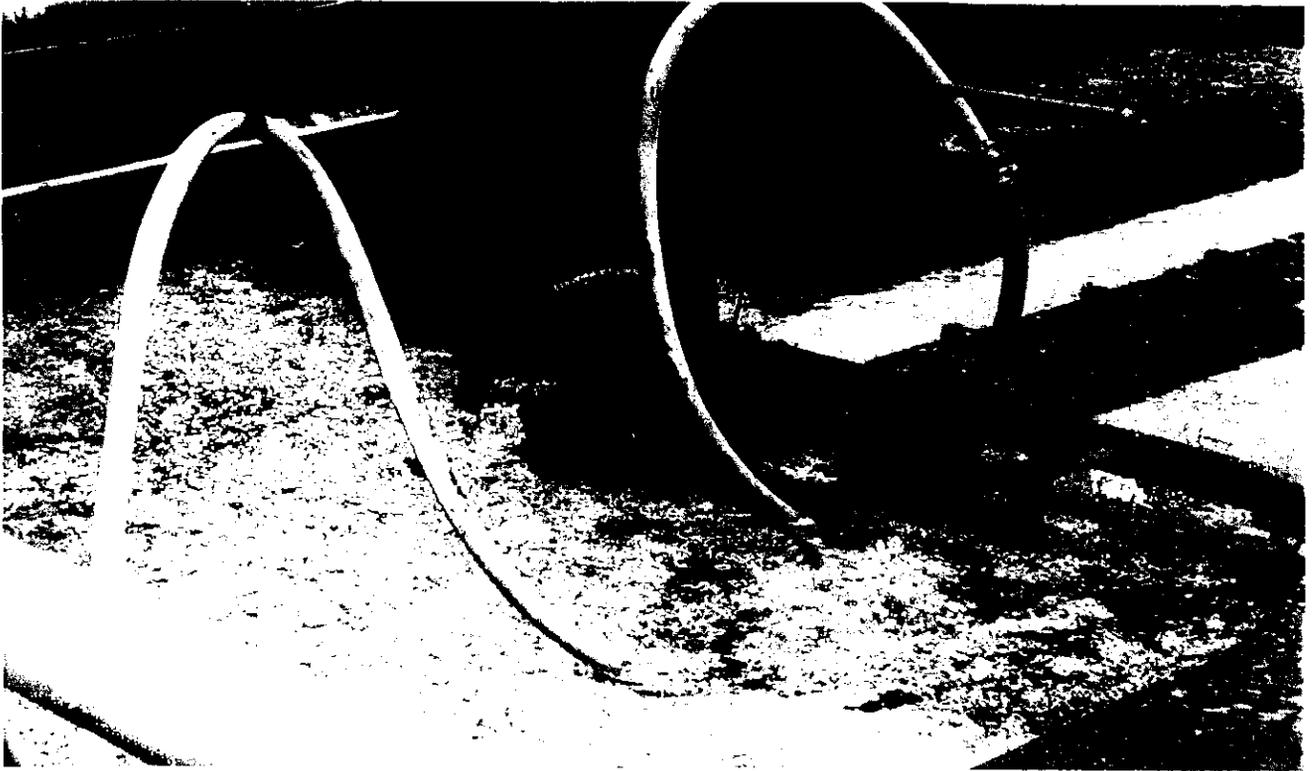
JET/mt

cc: Salineville Village Council  
Mr. Jeff Lewis, Village Administrator  
Mrs. Kelly Berta, WWTP Operator

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

File: Public/Permit Compliance/City of Salineville

**INSPECTION PHOTOS**



**THE BAR SCREEN IS NOT REMOVING FINE PARTICLES AT HEAD OF PLANT.**



**SKIMMER IS NOT OPERATIONAL**



OVERFLOW AT HEAD OF PLANT FROM THE MANHOLE



OVERFLOW AT SPLITTER BOX TO AERATION TANK

**VILL. OF SALINEVILLE EFFLUENT VIOLATIONS JAN 2010-MARCH 2011**

Permit No	Parameter	Limit Type	Limit	Reported Value	Violation Date
3PB00026*ED	Total Suspended Solids	30D Conc	30	58.0375	1/1/2010
3PB00026*ED	Total Suspended Solids	7D Conc	45	55.7	1/1/2010
3PB00026*ED	Total Suspended Solids	30D Qty	22.7	34.9271	1/1/2010
3PB00026*ED	Total Suspended Solids	7D Conc	45	58.6	1/8/2010
3PB00026*ED	Total Suspended Solids	7D Conc	45	56.6	1/15/2010
3PB00026*ED	Total Suspended Solids	7D Conc	45	61.25	1/22/2010
3PB00026*ED	Total Suspended Solids	7D Qty	34.1	80.7245	1/22/2010
3PB00026*ED	pH	1D Conc	6.5	6.3	2/22/2010
3PB00026*ED	pH	1D Conc	6.5	6.4	5/12/2010
3PB00026*ED	pH	1D Conc	6.5	6.4	5/21/2010
3PB00026*ED	Fecal Coliform	7D Conc	2000	2400.	7/15/2010
3PB00026*ED	pH	1D Conc	6.5	6.4	8/20/2010
3PB00026*ED	Total Suspended Solids	30D Conc	30	30.2	10/1/2010
3PB00026*ED	Fecal Coliform	7D Conc	2000	2100.	10/1/2010
3PB00026*ED	Fecal Coliform	7D Conc	2000	5900.	10/8/2010
3PB00026*ED	pH	1D Conc	6.5	6.4	10/15/2010
3PB00026*ED	pH	1D Conc	6.5	6.	1/4/2011
3PB00026*ED	pH	1D Conc	6.5	6.	1/5/2011
3PB00026*ED	pH	1D Conc	6.5	6.4	1/24/2011
3PB00026*ED	Total Suspended Solids	30D Conc	30	40.975	2/1/2011
3PB00026*ED	Total Suspended Solids	7D Conc	45	103.15	2/22/2011
3PB00026*ED	Total Suspended Solids	7D Qty	34.1	54.7750	2/22/2011
3PB00026*ED	Nitrogen, Ammonia (NH3)	30D Conc	6.2	6.958	3/1/2011
3PB00026*ED	Nitrogen, Ammonia (NH3)	7D Conc	12.5	13.8	3/22/2011