



State of Ohio Environmental Protection Agency

Northeast District Office

2110 East Aurora Rd.
Twinsburg, Ohio 44087

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Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director

February 2, 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 January 5, 2010, this writer met with you and conducted an inspection of the operation and maintenance of the Salineville Wastewater Treatment Plant located on State Route 39. The new operator taking over was present, Mr. Perry Beadle.

The following is a summary of the inspection:

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.

- 1) The comminutor was in service but not in use because it is not effective. Screenings from the by-pass bar screen are being placed in a bucket for disposal in a landfill. An automatic dialer was installed to notify plant personnel if the pumps fail.
- 2) All three influent pumps were operational. 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.
- 3) 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.
- 4) 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. The plant is currently in significant noncompliance with its effluent. The suspended solids violations are in large part a result of one of the two clarifiers not being operational. If it will take the Village a significant amount of time to manufacture the gear box, then the Village should probably keep a spare at the plant. There was scum on top of the clarifier. Some minor solids were flowing into the effluent weir.
- 5) 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 process control and maintaining the proper sludge levels within the wastewater treatment system. Also, the last year's sludge hauling records should be submitted.

- 6) There were several high influent values for suspended solids (700-2500 mg/l) and CBOD₅ (465-700 mg/l) noted in the discharge monitoring reports. Typical levels for these parameters are 200 mg/l. Has the Village done any investigations to determine if any of its users are dumping high strength wastes on the plant? Please provide an explanation of the high influent values.
- 7) A review of the discharge monitoring reports from March 2008 through December 2009 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 Village will need a clean quarter of sampling of all parameters currently in violation to return to compliance.
- 8) 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 still appear satisfactory; however, the Village must supply the necessary equipment to keep the plant running. Extended periods of equipment down time are not acceptable, especially if effluent violations are occurring.

The above requested information must be submitted in a response by the Village by February 26, 2010. 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
Jeff Lewis, Village Administrator
Kelly Berta, WWTP Operator

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

File: Public/Permit Compliance/City of Salineville

INSPECTION PHOTOS



CLAIRIFIER OUT OF SERVICE



SOLIDS GOING OVER THE WEIRS TO THE STREAM

Permit No	Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
3PB00026*ED	March 2008	Total Suspended Solids	30D Conc	30	57.2	3/1/2008
3PB00026*ED	March 2008	Total Suspended Solids	7D Conc	45	172.5	3/1/2008
3PB00026*ED	March 2008	Total Suspended Solids	30D Qty	22.7	23.4952	3/1/2008
3PB00026*ED	March 2008	Total Suspended Solids	7D Qty	34.1	67.4695	3/1/2008
3PB00026*ED	April 2008	pH	1D Conc	6.5	6.4	4/9/2008
3PB00026*ED	April 2008	pH	1D Conc	6.5	6.3	4/10/2008
3PB00026*ED	April 2008	pH	1D Conc	6.5	6.4	4/15/2008
3PB00026*ED	April 2008	pH	1D Conc	6.5	6.3	4/28/2008
3PB00026*ED	May 2008	pH	1D Conc	6.5	6.4	5/5/2008
3PB00026*ED	May 2008	pH	1D Conc	6.5	6.4	5/6/2008
3PB00026*ED	May 2008	pH	1D Conc	6.5	6.	5/30/2008
3PB00026*ED	June 2008	Total Suspended Solids	30D Conc	30	80.1555	6/1/2008
3PB00026*ED	June 2008	Total Suspended Solids	30D Qty	22.7	27.0419	6/1/2008
3PB00026*ED	June 2008	pH	1D Conc	6.5	6.	6/2/2008
3PB00026*ED	June 2008	pH	1D Conc	6.5	6.	6/3/2008
3PB00026*ED	June 2008	pH	1D Conc	6.5	5.9	6/4/2008
3PB00026*ED	June 2008	pH	1D Conc	6.5	6.4	6/5/2008
3PB00026*ED	June 2008	Total Suspended Solids	7D Conc	45	169.75	6/8/2008
3PB00026*ED	June 2008	Total Suspended Solids	7D Qty	34.1	50.1622	6/8/2008
3PB00026*ED	June 2008	pH	1D Conc	6.5	6.1	6/11/2008
3PB00026*ED	June 2008	pH	1D Conc	6.5	6.1	6/12/2008
3PB00026*ED	June 2008	pH	1D Conc	6.5	6.1	6/13/2008
3PB00026*ED	June 2008	pH	1D Conc	6.5	6.1	6/16/2008
3PB00026*ED	June 2008	pH	1D Conc	6.5	6.1	6/17/2008
3PB00026*ED	June 2008	pH	1D Conc	6.5	5.8	6/18/2008
3PB00026*ED	June 2008	pH	1D Conc	6.5	6.2	6/19/2008
3PB00026*ED	June 2008	pH	1D Conc	6.5	6.1	6/20/2008
3PB00026*ED	June 2008	Total Suspended Solids	7D Conc	45	100.5	6/22/2008
3PB00026*ED	July 2008	Total Suspended Solids	30D Conc	30	36.5444	7/1/2008
3PB00026*ED	July 2008	Total Suspended Solids	7D Conc	45	48.6	7/8/2008
3PB00026*ED	July 2008	pH	1D Conc	6.5	6.	7/8/2008
3PB00026*ED	July 2008	pH	1D Conc	6.5	6.2	7/10/2008
3PB00026*ED	July 2008	pH	1D Conc	6.5	6.1	7/14/2008
3PB00026*ED	July 2008	pH	1D Conc	6.5	6.	7/15/2008
3PB00026*ED	July 2008	pH	1D Conc	6.5	6.4	7/16/2008
3PB00026*ED	July 2008	pH	1D Conc	6.5	6.4	7/17/2008
3PB00026*ED	July 2008	pH	1D Conc	6.5	5.9	7/18/2008
3PB00026*ED	July 2008	pH	1D Conc	6.5	5.8	7/21/2008
3PB00026*ED	July 2008	Total Suspended Solids	7D Conc	45	50.	7/22/2008
3PB00026*ED	July 2008	pH	1D Conc	6.5	6.3	7/23/2008
3PB00026*ED	July 2008	pH	1D Conc	6.5	6.2	7/24/2008
3PB00026*ED	July 2008	pH	1D Conc	6.5	6.3	7/25/2008
3PB00026*ED	July 2008	pH	1D Conc	6.5	6.2	7/28/2008

Permit No	Reporting Period	Parameter	Limit Type	Llimit	Reported Value	Violation Date
3PB00026*ED	July 2008	pH	1D Conc	6.5	6.3	7/29/2008
3PB00026*ED	July 2008	pH	1D Conc	6.5	6.3	7/30/2008
3PB00026*ED	July 2008	pH	1D Conc	6.5	6.3	7/31/2008
3PB00026*ED	August 2008	pH	1D Conc	6.5	6.3	8/1/2008
3PB00026*ED	August 2008	pH	1D Conc	6.5	6.4	8/4/2008
3PB00026*ED	August 2008	pH	1D Conc	6.5	6.4	8/5/2008
3PB00026*ED	August 2008	pH	1D Conc	6.5	6.3	8/7/2008
3PB00026*ED	August 2008	pH	1D Conc	6.5	6.3	8/14/2008
3PB00026*ED	August 2008	Total Suspended Solids	7D Conc	45	58.	8/22/2008
3PB00026*ED	August 2008	pH	1D Conc	6.5	6.4	8/22/2008
3PB00026*ED	August 2008	pH	1D Conc	6.5	6.4	8/25/2008
3PB00026*ED	September 2008	Nitrogen, Ammonia (NH3	30D Conc	2.5	4.49	9/1/2008
3PB00026*ED	September 2008	Nitrogen, Ammonia (NH3	7D Conc	3.7	8.7	9/15/2008
3PB00026*ED	September 2008	pH	1D Conc	6.5	6.4	9/17/2008
3PB00026*ED	September 2008	Total Suspended Solids	7D Conc	45	46.65	9/22/2008
3PB00026*ED	October 2008	Total Suspended Solids	30D Conc	30	36.875	10/1/2008
3PB00026*ED	October 2008	Fecal Coliform	7D Conc	2000	9000.	10/1/2008
3PB00026*ED	October 2008	pH	1D Conc	6.5	6.4	10/6/2008
3PB00026*ED	November 2008	Total Suspended Solids	30D Conc	30	76.	11/1/2008
3PB00026*ED	November 2008	Total Suspended Solids	7D Conc	45	65.5	11/1/2008
3PB00026*ED	November 2008	Total Suspended Solids	30D Qty	22.7	30.4323	11/1/2008
3PB00026*ED	November 2008	Total Suspended Solids	7D Conc	45	166.	11/15/2008
3PB00026*ED	November 2008	Total Suspended Solids	7D Qty	34.1	69.5153	11/15/2008
3PB00026*ED	December 2008	Total Suspended Solids	30D Conc	30	40.12	12/1/2008
3PB00026*ED	December 2008	Total Suspended Solids	7D Conc	45	83.9	12/1/2008
3PB00026*ED	January 2009	Total Suspended Solids	30D Conc	30	56.9375	1/1/2009
3PB00026*ED	January 2009	pH	1D Conc	6.5	6.4	1/6/2009
3PB00026*ED	January 2009	Total Suspended Solids	7D Conc	45	87.1	1/8/2009
3PB00026*ED	January 2009	pH	1D Conc	6.5	6.4	1/14/2009
3PB00026*ED	January 2009	pH	1D Conc	6.5	6.4	1/15/2009
3PB00026*ED	January 2009	pH	1D Conc	6.5	6.2	1/19/2009
3PB00026*ED	January 2009	pH	1D Conc	6.5	6.4	1/20/2009
3PB00026*ED	January 2009	Total Suspended Solids	7D Conc	45	94.5	1/22/2009
3PB00026*ED	February 2009	Total Suspended Solids	30D Conc	30	116.75	2/1/2009
3PB00026*ED	February 2009	Total Suspended Solids	7D Conc	45	59.5	2/1/2009
3PB00026*ED	February 2009	Total Suspended Solids	30D Qty	22.7	50.4247	2/1/2009
3PB00026*ED	February 2009	Total Suspended Solids	7D Conc	45	347.5	2/8/2009
3PB00026*ED	February 2009	Total Suspended Solids	7D Qty	34.1	161.278	2/8/2009
3PB00026*ED	February 2009	CBOD 5 day	7D Conc	40	64.25	2/8/2009
3PB00026*ED	March 2009	Total Suspended Solids	30D Conc	30	42.97	3/1/2009
3PB00026*ED	March 2009	Total Suspended Solids	7D Conc	45	95.8	3/8/2009
3PB00026*ED	March 2009	Total Suspended Solids	7D Qty	34.1	61.912	3/8/2009
3PB00026*ED	March 2009	Total Suspended Solids	7D Conc	45	47.5	3/22/2009

Permit No	Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
3PB00026*ED	April 2009	Total Suspended Solids	30D Conc	30	200.35	4/1/2009
3PB00026*ED	April 2009	Total Suspended Solids	30D Qty	22.7	84.4504	4/1/2009
3PB00026*ED	April 2009	pH	1D Conc	6.5	6.4	4/3/2009
3PB00026*ED	April 2009	pH	1D Conc	6.5	6.4	4/6/2009
3PB00026*ED	April 2009	Total Suspended Solids	7D Conc	45	72.	4/8/2009
3PB00026*ED	April 2009	Total Suspended Solids	7D Conc	45	532.	4/15/2009
3PB00026*ED	April 2009	Total Suspended Solids	7D Qty	34.1	244.427	4/15/2009
3PB00026*ED	April 2009	Total Suspended Solids	7D Conc	45	172.05	4/22/2009
3PB00026*ED	April 2009	Total Suspended Solids	7D Qty	34.1	61.1358	4/22/2009
3PB00026*ED	April 2009	pH	1D Conc	6.5	6.4	4/27/2009
3PB00026*ED	May 2009	pH	1D Conc	6.5	6.2	5/1/2009
3PB00026*ED	May 2009	pH	1D Conc	6.5	6.2	5/4/2009
3PB00026*ED	May 2009	pH	1D Conc	6.5	6.3	5/5/2009
3PB00026*ED	May 2009	pH	1D Conc	6.5	6.3	5/6/2009
3PB00026*ED	May 2009	pH	1D Conc	6.5	6.3	5/7/2009
3PB00026*ED	May 2009	pH	1D Conc	6.5	6.3	5/8/2009
3PB00026*ED	May 2009	pH	1D Conc	6.5	6.	5/11/2009
3PB00026*ED	May 2009	pH	1D Conc	6.5	5.9	5/12/2009
3PB00026*ED	May 2009	pH	1D Conc	6.5	6.2	5/13/2009
3PB00026*ED	May 2009	pH	1D Conc	6.5	6.4	5/14/2009
3PB00026*ED	May 2009	pH	1D Conc	6.5	6.2	5/18/2009
3PB00026*ED	May 2009	pH	1D Conc	6.5	6.3	5/19/2009
3PB00026*ED	May 2009	pH	1D Conc	6.5	6.1	5/20/2009
3PB00026*ED	May 2009	pH	1D Conc	6.5	6.2	5/21/2009
3PB00026*ED	May 2009	pH	1D Conc	6.5	6.1	5/22/2009
3PB00026*ED	May 2009	pH	1D Conc	6.5	6.4	5/27/2009
3PB00026*ED	May 2009	pH	1D Conc	6.5	6.3	5/28/2009
3PB00026*ED	May 2009	pH	1D Conc	6.5	5.9	5/29/2009
3PB00026*ED	June 2009	pH	1D Conc	6.5	6.2	6/1/2009
3PB00026*ED	June 2009	pH	1D Conc	6.5	6.3	6/2/2009
3PB00026*ED	June 2009	pH	1D Conc	6.5	6.3	6/4/2009
3PB00026*ED	June 2009	pH	1D Conc	6.5	6.4	6/5/2009
3PB00026*ED	June 2009	pH	1D Conc	6.5	6.4	6/8/2009
3PB00026*ED	June 2009	pH	1D Conc	6.5	6.2	6/9/2009
3PB00026*ED	June 2009	pH	1D Conc	6.5	6.3	6/10/2009
3PB00026*ED	June 2009	pH	1D Conc	6.5	6.1	6/11/2009
3PB00026*ED	June 2009	pH	1D Conc	6.5	6.	6/12/2009
3PB00026*ED	June 2009	pH	1D Conc	6.5	6.3	6/15/2009
3PB00026*ED	June 2009	pH	1D Conc	6.5	6.2	6/16/2009
3PB00026*ED	June 2009	pH	1D Conc	6.5	6.4	6/18/2009
3PB00026*ED	June 2009	pH	1D Conc	6.5	6.4	6/22/2009
3PB00026*ED	June 2009	pH	1D Conc	6.5	6.3	6/24/2009
3PB00026*ED	June 2009	pH	1D Conc	6.5	6.4	6/25/2009

Permit No	Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
3PB00026*ED	June 2009	pH	1D Conc	6.5	6.3	6/26/2009
3PB00026*ED	July 2009	pH	1D Conc	6.5	6.3	7/13/2009
3PB00026*ED	July 2009	pH	1D Conc	6.5	6.4	7/14/2009
3PB00026*ED	July 2009	pH	1D Conc	6.5	6.2	7/15/2009
3PB00026*ED	July 2009	pH	1D Conc	6.5	6.3	7/16/2009
3PB00026*ED	July 2009	pH	1D Conc	6.5	6.3	7/17/2009
3PB00026*ED	July 2009	pH	1D Conc	6.5	6.2	7/27/2009
3PB00026*ED	July 2009	pH	1D Conc	6.5	6.3	7/28/2009
3PB00026*ED	July 2009	pH	1D Conc	6.5	6.4	7/29/2009
3PB00026*ED	July 2009	pH	1D Conc	6.5	6.4	7/31/2009
3PB00026*ED	August 2009	pH	1D Conc	6.5	6.3	8/3/2009
3PB00026*ED	August 2009	pH	1D Conc	6.5	6.2	8/4/2009
3PB00026*ED	August 2009	pH	1D Conc	6.5	6.3	8/5/2009
3PB00026*ED	August 2009	pH	1D Conc	6.5	6.1	8/6/2009
3PB00026*ED	August 2009	pH	1D Conc	6.5	6.	8/7/2009
3PB00026*ED	August 2009	pH	1D Conc	6.5	6.3	8/10/2009
3PB00026*ED	August 2009	pH	1D Conc	6.5	6.4	8/17/2009
3PB00026*ED	August 2009	pH	1D Conc	6.5	6.4	8/20/2009
3PB00026*ED	August 2009	pH	1D Conc	6.5	6.1	8/31/2009
3PB00026*ED	September 2009	pH	1D Conc	6.5	6.4	9/7/2009
3PB00026*ED	September 2009	pH	1D Conc	6.5	6.2	9/11/2009
3PB00026*ED	September 2009	pH	1D Conc	6.5	6.4	9/16/2009
3PB00026*ED	September 2009	pH	1D Conc	6.5	6.4	9/25/2009
3PB00026*ED	September 2009	pH	1D Conc	6.5	6.4	9/29/2009
3PB00026*ED	September 2009	pH	1D Conc	6.5	6.3	9/30/2009
3PB00026*ED	October 2009	Total Suspended Solids	30D Conc	30	49.0875	10/1/2009
3PB00026*ED	October 2009	pH	1D Conc	6.5	6.4	10/1/2009
3PB00026*ED	October 2009	pH	1D Conc	6.5	6.2	10/2/2009
3PB00026*ED	October 2009	pH	1D Conc	6.5	6.1	10/5/2009
3PB00026*ED	October 2009	pH	1D Conc	6.5	6.	10/6/2009
3PB00026*ED	October 2009	pH	1D Conc	6.5	6.1	10/7/2009
3PB00026*ED	October 2009	pH	1D Conc	6.5	6.1	10/8/2009
3PB00026*ED	October 2009	pH	1D Conc	6.5	6.	10/9/2009
3PB00026*ED	October 2009	pH	1D Conc	6.5	6.	10/12/2009
3PB00026*ED	October 2009	pH	1D Conc	6.5	6.	10/13/2009
3PB00026*ED	October 2009	pH	1D Conc	6.5	6.3	10/14/2009
3PB00026*ED	October 2009	Total Suspended Solids	7D Conc	45	49.	10/15/2009
3PB00026*ED	October 2009	pH	1D Conc	6.5	6.2	10/15/2009
3PB00026*ED	October 2009	pH	1D Conc	6.5	6.3	10/16/2009
3PB00026*ED	October 2009	pH	1D Conc	6.5	6.3	10/20/2009
3PB00026*ED	October 2009	pH	1D Conc	6.5	6.3	10/21/2009
3PB00026*ED	October 2009	Total Suspended Solids	7D Conc	45	95.	10/22/2009
3PB00026*ED	October 2009	pH	1D Conc	6.5	6.2	10/22/2009

Permit No	Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
3PB00026*ED	October 2009	pH	1D Conc	6.5	6.1	10/23/2009
3PB00026*ED	October 2009	pH	1D Conc	6.5	6.4	10/26/2009
3PB00026*ED	October 2009	pH	1D Conc	6.5	6.3	10/27/2009
3PB00026*ED	October 2009	pH	1D Conc	6.5	6.4	10/30/2009
3PB00026*ED	November 2009	Total Suspended Solids	30D Conc	30	58.0111	11/1/2009
3PB00026*ED	November 2009	pH	1D Conc	6.5	6.3	11/2/2009
3PB00026*ED	November 2009	pH	1D Conc	6.5	6.4	11/3/2009
3PB00026*ED	November 2009	pH	1D Conc	6.5	6.4	11/4/2009
3PB00026*ED	November 2009	pH	1D Conc	6.5	6.4	11/5/2009
3PB00026*ED	November 2009	pH	1D Conc	6.5	6.1	11/6/2009
3PB00026*ED	November 2009	Total Suspended Solids	7D Conc	45	82.4	11/8/2009
3PB00026*ED	November 2009	pH	1D Conc	6.5	5.9	11/9/2009
3PB00026*ED	November 2009	pH	1D Conc	6.5	5.8	11/10/2009
3PB00026*ED	November 2009	pH	1D Conc	6.5	6.2	11/12/2009
3PB00026*ED	November 2009	pH	1D Conc	6.5	5.9	11/13/2009
3PB00026*ED	November 2009	Total Suspended Solids	7D Conc	45	87.	11/15/2009
3PB00026*ED	November 2009	pH	1D Conc	6.5	6.1	11/16/2009
3PB00026*ED	November 2009	pH	1D Conc	6.5	6.	11/17/2009
3PB00026*ED	November 2009	pH	1D Conc	6.5	6.	11/18/2009
3PB00026*ED	November 2009	pH	1D Conc	6.5	6.4	11/19/2009
3PB00026*ED	November 2009	Total Suspended Solids	7D Conc	45	63.	11/22/2009
3PB00026*ED	December 2009	pH	1D Conc	6.5	6.	12/21/2009