



John R. Kasich, Governor
Mike DeWine, Lt. Governor
Scott L. Smith, Director

Certified Mail #91 7108 2133 3932 1838 1300

March 19, 2013

Byron Bowersox, Superintendent
Bremen Wastewater Treatment Plant
9090 Marietta Road
Bremen, OH 43107

**Re: Bremen Wastewater Treatment Plant
NPDES Permit 4PB00002/ OH0021491
Reconnaissance Inspection
Fairfield County**

Dear Mr. Bowersox:

On March 14, 2013, a Reconnaissance Inspection was conducted at the Bremen STP. Present for the inspection were Byron Bowersox representing the Village of Bremen and myself of the Ohio EPA, Central District Office, Division of Surface Water.

The purpose of the inspection was to evaluate compliance with the terms and conditions of your NPDES permit and to evaluate the operation and maintenance of the plant. The following items were noted during the inspection:

- 1) Work on sewer separation is continuing. The Village is on track to complete the work in accordance with the NPDES permit compliance schedule. Please be sure to notify Paul Vandermeer of the completion of each phase of the work in the compliance schedule within 14 days of its completion.
- 2) The incident with the influent screw pumps was an "emergency" waiting to happen since the Village did not alternate use of the pumps, nor did they ensure that all screw pumps were adequately maintained. When the one pump failed (due to continuous use) and the other did not work (due to lack of use and maintenance), there was no alternative but to use a jury rigged system until a more permanent solution could be designed and installed. Design and installation of the new pump system had to be accomplished without an approved PTI due to the "emergency" nature of the situation. Once the permanent solution was in place, a PTI was presented to the Ohio EPA as a *fait accompli*.

- 3) The PTI submitted for the installation of the new influent pumps was not signed by the Village Administrator or stamped by the professional engineer. The Village must resubmit the PTI with the appropriate signature and PE stamp by March 29, 2013.
- 4) Maintenance at the WWTP is lacking in some areas and must be made a higher priority to avoid problems noted in number 2 above. An instance was noted during this inspection. Out of 4 influent drum screens, 2 are completely inoperative. One unit is in nearly continuous use. The 4th screen is activated only when the large influent pump runs. The Village shall ensure that one of the two inoperative units is brought back into service to serve as a backup unit, and that all 3 units are rotated into service from time to time. Please ensure that the repair to the inoperative unit is accomplished by July 1, 2013 and provide documentation to Paul Vandermeer that this has been accomplished by that date.
- 5) The valve on one of the clarifier pumps was leaking and must be repaired. Please notify Paul Vandermeer that this repair has been completed on or before March 29, 2013.
- 6) The sludge drying beds were in the process of being emptied into a roll off box for disposal by Big "O" Refuse. The aerobic digesters all seemed very full. The Village was in the process of settling 2 of the digesters in preparation for pumping sludge over to the drying beds.

If you have any questions or comments concerning the above listed items or the enclosed inspection report, please contact me at (614) 728-3854 or e-mail at paul.vandermeer@epa.ohio.gov.

Sincerely,



Paul L. Vandermeer
Environmental Specialist II
Compliance and Enforcement Unit
Division of Surface Water
Central District Office

ec: Paul L. Vandermeer

NPDES Compliance Inspection Report

SECTION A: NATIONAL DATA SYSTEM CODING

Permit #	NPDES #	Inspection Type	Inspector	Facility Type
4PB00002	OH0021491	RI	S	1
Inspection Date	Entry Time	Exit Time	Notice of Violation	Significant Non-Compliance
3/14/2013	9:00 am	10:00 am	No	Yes

SECTION B: FACILITY DATA

Name and Location of Facility Inspected	Permit Effective Date
Bremen STP SR 664 Bremen, OH	7/1/2012
	Permit Expiration Date
	6/30/2017
Name(s) and Title(s) of On-Site Representatives	Phone Numbers
Byron Bowersox, Superintendent	(740) 569-4535
Name and Title of Responsible Official	Phone Number
Byron Bowersox, Superintendent	

SECTION C: AREAS EVALUATED DURING INSPECTION

Key: S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated

U	NPDES Compliance	SNC due to <i>E. coli</i> can only be addressed during recreation season. Entity will take care to ensure chlorination and dechlorination is adequate beginning in May, 2013 to avoid further violations.
M*	Operations & Maintenance	See comments in cover letter.
S	Facility Site Review	
S	Collection System	Work continuing on separating sewers. Village on track to meet compliance schedule deadlines.
N	Flow Measurement	
S	Receiving Waters	
N	Laboratory	

Comments: *Backup influent pumps can be deployed within a couple of hours of a pump failure.

Signatures

	3/18/13		3/18/13
Paul L. Vandermeer, Inspector Compliance & Enforcement Division of Surface Water Central District Office	Date	Erin Sherer, Reviewer Compliance & Enforcement Supervisor Division of Surface Water Central District Office	Date

Compliance Data for Bremen STP between 7/1/2012 to 3/1/2013

Summary

Permit Effluent Limit Violations: 4
 Permit Effluent Code Violations: 0
 Permit Effluent Frequency Violations: 0
 Compliance Schedule Violations: 0

Limit Violations						
Reporting Period	Permit	Parameter	Limit Type	Limit	Actual Value	Violation Date
July 2012	001	F. coli	7D Conc	362	2419.6	7/8/2012
August 2012	001	E. coli	7D Conc	362	2419.6	8/15/2012
October 2012	001	E. coli	30D Conc	161	191.456	10/1/2012
October 2012	001	E. coli	7D Conc	362	2419.6	10/22/2012

Compliance Schedule Milestones				
Schedule Due Date	Completion Date	Event Code	Schedule Type	Schedule Milestone
Dec 2013		4599	Construction	End Construction
Dec 2015		4599	Construction	End Construction

Flow Data for Bremen STP between 7/1/2012 and 3/1/2013

	Date	Flows (MGD)
Ten Highest Flows	10/29/2012	0.444
	12/8/2012	0.410
	2/27/2013	0.406
	12/21/2012	0.356
	10/27/2012	0.353
	12/18/2012	0.329
	10/30/2012	0.328
	1/31/2013	0.300
	9/28/2012	0.287
	10/31/2012	0.286
Average Flow Rate		0.125