



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

Re: **Notice of Violation**
Seneca County
Bloomville WWTP
NPDES Permit 2PB00053
Compliance Evaluation Inspection

January 24, 2013

Mayor and Council
Bloomville WWTP
10 Beeghly Avenue
Bloomville, Ohio 44818

Dear Mayor and Council:

On August 28, 2012, a National Pollutant Discharge Elimination System (NPDES) permit compliance inspection was conducted at the Village of Bloomville wastewater treatment plant (WWTP). Present for the pre-inspection meeting were Darin A. Brown, Wastewater Superintendent, Rick Dentinger, Street Superintendent, Mike Atherine, Poggemeyer Design Group, Inc., and Mary Beth Cohen and Peggy Christie of the Ohio EPA, Northwest District Office, Division of Surface Water. Darin Brown was present and provided information regarding the plant's operation.

Observations and information provided during the inspection are as follows:

- Treatment for phosphorus removal was not in use and there was no alum available on site. This has resulted in significant non-compliance (SNC) of the NPDES permit. It was recommended that alum treatment be initiated as soon as possible.
- Zone 1: The IS modules were noted to have excessive weed growth. These weeds should be removed and the modules kept clean for proper operation. The additional weight from excessive weed growth may result in further submergence of the IS modules, which could disrupt the gravity flow from Zone 1 to Zone 2. Mr. Brown indicated that the IS modules are not accessible for the necessary maintenance. The lack of maintenance is not acceptable and needs to be remedied to allow for the proper operation of the IS modules.
- It was indicated that the "complete seal baffle" located between Zones 1 and 2 had installation problems and that a "complete seal" may not have been obtained.

- Zone 2: The *bio-reef*, to consist of 10 rows of attached growth media, was to be held in place by concrete "*deadman anchors*" with an adjustable turnbuckle, as indicated in the approved Permit to Install (PTI). The deadman anchors were not installed and instead, the bio-reef units are connected to U-channel fence posts, which have resulted in sagging of the posts under the weight of the bio-reef assemblies. The individual bio-reef assemblies have sagged below the water surface and there does not appear to be a method to control (take up) the slack, to maintain the designed position. This needs to be addressed.
- Zone 3: The control of weed growth on the floating cover continues to be of concern. A method to address of plant and weed growth must be established to prevent damage to the cover.
- It was indicated that the Village met with EDI (11/29/2011) to discuss influent location in regard to the IS modules, a proposed walkway to IS modules, and issues related to the floating cover.
- SNC with the effluent limitations contained in the NPDES permit was discussed along with the need for submittal of a fixed date schedule addressing return to compliance.
- We received copies of the following at the time of inspection:
 - Email dated 10/15/2010 from Mike Atherine, Poggemeyer Design Group, Inc. regarding the list agreed to during the Mediation Hearings;
 - Letter dated 7/19/2012 from Terry L. Rodery, Aeration Works, regarding IS Boxes Walkway, Bio-Reef Maintenance and Yearly Maintenance Program

Scope of Work

At the previous meeting/inspection on June 22, 2010, the Village had provided this office with a copy of the '*Scope of Work*' for the Bloomville WWTP improvements. It was indicated that the improvements listed in the *Scope of Work* were a result of '*mediation*' that took place, regarding the remaining construction and operational issues needing to be addressed, as a result of the WWTP upgrade.

At the time of this inspection, a review of the '*Scope of Work*' revealed that none of the listed items had been completed. Additionally, there are no dates for completion of the work and there is no reference as to who is responsible for completion or the cost to complete these items.

A copy of the '*Scope of Work*', meeting memorandum, and pictures taken June 22, 2010, are enclosed.

NPDES Permit Compliance Schedule

The NPDES permit (copy enclosed) for this facility includes the following compliance schedule:

Part I, C - Schedule of Compliance

Municipal Construction Schedule

This entity shall attain compliance with the final effluent limitations of the permit as expeditiously as practicable, but not later than the dates developed in accordance with the following schedule:

- a. Submit a fixed date planning and construction schedule, as soon as possible, but no later than six (6) months after the effective date of this permit. (Event Code 01299)*
- b. Attain operational level of the treatment works and meet final effluent limitations as soon as possible, but not later than 24 Months from the effective date of this permit. (Event Code 05699)*
- c. Notify the Ohio EPA Northwest District Office District Office within seven days of attaining operational level.*

B. Sanitary Sewer System

- a. Roof drains, foundation drains, and other clean water connections to the sanitary sewer shall be prohibited by enforcement of legally adopted rules. A copy of the rules or ordinances shall be submitted to the Ohio EPA NWDO within 3 months of the effective date of this permit. (Event Code 97699)*

To date, we have not received the required submittals and the final effluent limitations have not been attained.

Discharge Monitoring Reports (DMRs)/Notice of Violation (NOV)

A compliance review of your discharge monitoring reports (DMRs) was conducted. A list of permit violations (June 2009 thru December 2012) is enclosed. Review of your self-monitoring reports for the six month period ending in September 2012 indicates that you were in SNC with the *Nitrogen, Ammonia (NH3)* and *Total Phosphorus (P)* effluent limitations contained in your NPDES permit.

A facility is considered to be in SNC when it exceeds the effluent limit for four or more months in two consecutive quarters or exceeds the effluent limit significantly in any two months in two consecutive quarters. Preliminary compliance review's (PCRs) reports sent by Ohio EPA indicate screening of the self-monitoring data submitted by the Village have identified potential compliance problems. Additionally, Part III-12 of your NPDES permit requires that an explanation outlining the actions you have taken or are taking to correct certain instances of non-compliance be submitted.

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The Village submitted four email responses to violations in 2011. The responses indicate that "the Village is working with Poggemeyer Design Group" to address the compliance issues. It is noted that monthly violations continued through 2011 and 2012, but no further correspondence have been provided.

No apparent progress is being made to eliminate the permit or compliance schedule violations. Failure to comply with the NPDES permit and properly operate and maintain the WWTP can be cause for escalated enforcement action that may include penalties. If progress is not made, we will have no choice but to recommend that the Director pursue enforcement action.

Before we initiate enforcement action, we would like to work with you to achieve satisfactory progress to bring this facility into compliance. Within 21 days of the date of this letter, please submit, in writing, the actions that you propose to take in order to return your facility into compliance with your NPDES permit. You will also need to give us a fixed date schedule for these actions that does not extend past July 31, 2013. Your written response should include actual dates for completion of the actions.

If you wish to meet with us to discuss this matter, please contact Mary Beth Cohen at 419-373-3014 within 10 days of receiving this letter in order to set up a meeting.

Our completed inspection report form is enclosed for your review. If there are any questions, please advise.

Yours truly,



Elizabeth A. Wick, P.E.
Environmental Engineer/Section Manager
Division of Surface Water

MBC/jlm

Enclosures

pc: Darin Brown, Wastewater Superintendent

ec: Mike Atherine, Poggemeyer Design Group, Inc.
Tracking

NPDES Compliance Inspection Report

SECTION A: NATIONAL DATA SYSTEM CODING

Permit #	NPDES #	Inspection Type	Inspector	Facility Type
2PB00053	OH0021032	CEI	S	1
Inspection Date	Entry Time	Exit Time	Notice of Violation	Significant Non-Compliance
8/28/2012	10:30 am	1:30 pm	Yes	Yes

SECTION B: FACILITY DATA

Name and Location of Facility Inspected	Permit Effective Date
Bloomville WWTP North Douglas Street, Bloomville, Ohio 44818	6/1/2009
	Permit Expiration Date
	5/31/2014
Name(s) and Title(s) of On-Site Representatives	Phone Numbers
Darin A Brown, Wastewater Superintendent	419-983-4745
Rick Dentinger, Street Superintendent	
Mike Atherine, Poggemeyer Design Group, Inc.	419-352-7537
Name and Title of Responsible Official	Phone Number
Mayor and Council, Village of Bloomville	419- 983-4745

SECTION C: AREAS EVALUATED DURING INSPECTION

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

U	NPDES Compliance	
U	Operations & Maintenance	
U	Facility Site Review	
N	Collection System	
S	Flow Measurement	
S	Receiving Waters	
N	Laboratory	

Comments:

- The facility is in significant non-compliance (SNC) of the NPDES permit.
- Treatment for phosphorus removal was not in use (no alum on site).
- NPDES permit schedule of compliance required submittals have not been received.
- The items listed on the "scope of work" have not been completed.

Signatures

	1/22/2013		1/22/13
Mary Beth Cohen, Inspector Compliance & Enforcement Division of Surface Water Northwest District Office	Date	Thomas Poffenbarger, P.E., Reviewer Compliance & Enforcement Supervisor Division of Surface Water Northwest District Office	Date

Flow Data for Bloomville WWTP between 6/1/2009 and 1/1/2013

	Date	Flows (MGD)
Ten Highest Flows	12/6/2011	0.665
	11/30/2011	0.624
	5/27/2011	0.576
	3/1/2011	0.561
	10/31/2012	0.535
	4/26/2011	0.531
	11/29/2011	0.492
	10/30/2012	0.486
	5/4/2011	0.467
	12/22/2011	0.454
Average Flow Rate		0.089

Bloomville WWTP
2PB00053 (001) Effluent Limit Violations
June 2009 thru December 2012

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Reporting Period	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
June 2009	80082	CBOD 5 day	30D Conc	10.0	11.75	6/1/2009
June 2009	80082	CBOD 5 day	7D Conc	14.0	25.	6/22/2009
July 2009	80082	CBOD 5 day	7D Conc	14.0	22.	7/8/2009
September 2009	80082	CBOD 5 day	7D Conc	14.0	26.	9/8/2009
October 2009	80082	CBOD 5 day	7D Conc	14.0	23.	10/22/2009
January 2010	80082	CBOD 5 day	30D Conc	10.0	25.	1/1/2010
January 2010	80082	CBOD 5 day	7D Conc	14.0	24.	1/1/2010
January 2010	80082	CBOD 5 day	30D Qty	5.0	8.68752	1/1/2010
January 2010	80082	CBOD 5 day	7D Conc	14.0	24.	1/8/2010
January 2010	80082	CBOD 5 day	7D Conc	14.0	29.	1/15/2010
January 2010	80082	CBOD 5 day	7D Conc	14.0	23.	1/22/2010
January 2010	80082	CBOD 5 day	7D Qty	7.0	19.5003	1/22/2010
March 2010	80082	CBOD 5 day	7D Qty	7.0	8.0242	3/8/2010
May 2010	00530	Total Suspended Solids	7D Conc	34.0	40.	5/1/2010
June 2010	31616	Fecal Coliform	30D Conc	1000	1062.32	6/1/2010
June 2010	80082	CBOD 5 day	30D Conc	10.0	10.5	6/1/2010
June 2010	31616	Fecal Coliform	7D Conc	2000	2100.	6/8/2010
June 2010	80082	CBOD 5 day	7D Conc	14.0	22.	6/8/2010
February 2011	80082	CBOD 5 day	30D Conc	10.0	13.	2/1/2011
February 2011	80082	CBOD 5 day	7D Conc	14.0	23.	2/8/2011
February 2011	80082	CBOD 5 day	7D Qty	7.0	7.22178	2/15/2011
March 2011	80082	CBOD 5 day	30D Qty	5.0	6.53764	3/1/2011
March 2011	80082	CBOD 5 day	7D Qty	7.0	19.1104	3/1/2011
April 2011	80082	CBOD 5 day	30D Qty	5.0	8.88907	4/1/2011
April 2011	80082	CBOD 5 day	7D Qty	7.0	11.7637	4/1/2011
April 2011	80082	CBOD 5 day	7D Qty	7.0	20.0983	4/22/2011
May 2011	80082	CBOD 5 day	30D Qty	5.0	6.61618	5/1/2011
May 2011	31616	Fecal Coliform	7D Conc	2000	2000.	5/15/2011
May 2011	80082	CBOD 5 day	7D Conc	14.0	16.	5/15/2011
May 2011	80082	CBOD 5 day	7D Qty	7.0	22.5283	5/15/2011
June 2011	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	9.655	6/1/2011
June 2011	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	9.01	6/1/2011
June 2011	00610	Nitrogen, Ammonia (NH3	30D Qty	0.5	2.54607	6/1/2011
June 2011	00610	Nitrogen, Ammonia (NH3	7D Qty	0.74	1.1936	6/1/2011
June 2011	00665	Phosphorus, Total (P)	30D Conc	1.0	2.23	6/1/2011
June 2011	00665	Phosphorus, Total (P)	7D Conc	1.5	2.23	6/1/2011
June 2011	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	10.3	6/15/2011
June 2011	00610	Nitrogen, Ammonia (NH3	7D Qty	0.74	3.89855	6/15/2011
July 2011	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	6.71	7/1/2011
July 2011	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	6.46	7/1/2011
July 2011	00610	Nitrogen, Ammonia (NH3	30D Qty	0.5	.66222	7/1/2011
July 2011	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	6.96	7/15/2011
July 2011	31616	Fecal Coliform	7D Conc	2000	2500.	7/22/2011

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2PB00053 (001) Effluent Limit Violations (cont.)

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Reporting Period	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
August 2011	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	4.975	8/1/2011
August 2011	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	5.3	8/1/2011
August 2011	00610	Nitrogen, Ammonia (NH3	30D Qty	0.5	.56122	8/1/2011
August 2011	00665	Phosphorus, Total (P)	30D Conc	1.0	2.67	8/1/2011
August 2011	00665	Phosphorus, Total (P)	7D Conc	1.5	2.67	8/1/2011
August 2011	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	4.65	8/15/2011
August 2011	00300	Dissolved Oxygen	1D Conc	6.0	5.6	8/23/2011
August 2011	00300	Dissolved Oxygen	1D Conc	6.0	5.9	8/24/2011
August 2011	00300	Dissolved Oxygen	1D Conc	6.0	5.9	8/31/2011
September 2011	00665	Phosphorus, Total (P)	30D Conc	1.0	3.4	9/1/2011
September 2011	00665	Phosphorus, Total (P)	7D Conc	1.5	3.4	9/1/2011
September 2011	00300	Dissolved Oxygen	1D Conc	6.0	5.8	9/2/2011
October 2011	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	5.67	10/1/2011
October 2011	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	4.38	10/1/2011
October 2011	00610	Nitrogen, Ammonia (NH3	30D Qty	0.5	1.24451	10/1/2011
October 2011	00610	Nitrogen, Ammonia (NH3	7D Qty	0.74	1.85677	10/1/2011
October 2011	00665	Phosphorus, Total (P)	30D Conc	1.0	1.81	10/1/2011
October 2011	00665	Phosphorus, Total (P)	7D Conc	1.5	1.81	10/1/2011
October 2011	00665	Phosphorus, Total (P)	30D Qty	0.5	.7673	10/1/2011
October 2011	00665	Phosphorus, Total (P)	7D Qty	0.74	.7673	10/1/2011
October 2011	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	6.96	10/15/2011
November 2011	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	6.135	11/1/2011
November 2011	00610	Nitrogen, Ammonia (NH3	7D Conc	4.5	6.54	11/1/2011
November 2011	00610	Nitrogen, Ammonia (NH3	30D Qty	1.5	2.6929	11/1/2011
November 2011	00665	Phosphorus, Total (P)	30D Conc	1.0	2.12	11/1/2011
November 2011	00665	Phosphorus, Total (P)	7D Conc	1.5	2.06	11/1/2011
November 2011	00665	Phosphorus, Total (P)	7D Conc	1.5	2.18	11/8/2011
November 2011	00610	Nitrogen, Ammonia (NH3	7D Conc	4.5	5.73	11/15/2011
November 2011	00610	Nitrogen, Ammonia (NH3	7D Qty	2.2	3.75203	11/15/2011
December 2011	00610	Nitrogen, Ammonia (NH3	30D Qty	1.5	4.35504	12/1/2011
December 2011	00610	Nitrogen, Ammonia (NH3	7D Qty	2.2	7.7021	12/1/2011
December 2011	80082	CBOD 5 day	7D Qty	7.0	10.0681	12/1/2011
December 2011	00665	Phosphorus, Total (P)	30D Conc	1.0	1.18	12/1/2011
December 2011	00665	Phosphorus, Total (P)	30D Qty	0.5	2.97009	12/1/2011
December 2011	00665	Phosphorus, Total (P)	7D Qty	0.74	2.97009	12/1/2011
January 2012	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	5.86	1/1/2012
January 2012	00610	Nitrogen, Ammonia (NH3	30D Qty	1.5	1.90083	1/1/2012
January 2012	00665	Phosphorus, Total (P)	30D Conc	1.0	1.39	1/1/2012
January 2012	00665	Phosphorus, Total (P)	30D Qty	0.5	.5682	1/1/2012
January 2012	00610	Nitrogen, Ammonia (NH3	7D Conc	4.5	7.26	1/15/2012
January 2012	80082	CBOD 5 day	7D Qty	7.0	7.4943	1/22/2012
February 2012	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	8.025	2/1/2012
February 2012	00610	Nitrogen, Ammonia (NH3	7D Conc	4.5	6.54	2/1/2012
February 2012	00610	Nitrogen, Ammonia (NH3	30D Qty	1.5	3.01839	2/1/2012
February 2012	00610	Nitrogen, Ammonia (NH3	7D Qty	2.2	2.79719	2/1/2012
February 2012	00665	Phosphorus, Total (P)	30D Conc	1.0	1.47	2/1/2012
February 2012	00665	Phosphorus, Total (P)	30D Qty	0.5	.62873	2/1/2012
February 2012	00610	Nitrogen, Ammonia (NH3	7D Conc	4.5	9.51	2/15/2012
February 2012	00610	Nitrogen, Ammonia (NH3	7D Qty	2.2	3.23958	2/15/2012

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2PB00053 (001) Effluent Limit Violations (cont.)

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Reporting Period	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
March 2012	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	8.81	3/1/2012
March 2012	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	8.07	3/1/2012
March 2012	00610	Nitrogen, Ammonia (NH3)	30D Qty	1.5	5.97557	3/1/2012
March 2012	00610	Nitrogen, Ammonia (NH3)	7D Qty	2.2	3.81812	3/1/2012
March 2012	00665	Phosphorus, Total (P)	30D Conc	1.0	1.59	3/1/2012
March 2012	00665	Phosphorus, Total (P)	7D Conc	1.5	1.59	3/1/2012
March 2012	00665	Phosphorus, Total (P)	30D Qty	0.5	.75227	3/1/2012
March 2012	00665	Phosphorus, Total (P)	7D Qty	0.74	.75227	3/1/2012
March 2012	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	9.55	3/15/2012
March 2012	00610	Nitrogen, Ammonia (NH3)	7D Qty	2.2	8.13302	3/15/2012
April 2012	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	13.6	4/1/2012
April 2012	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	12.8	4/1/2012
April 2012	00610	Nitrogen, Ammonia (NH3)	30D Qty	1.5	3.89098	4/1/2012
April 2012	00610	Nitrogen, Ammonia (NH3)	7D Qty	2.2	3.58515	4/1/2012
April 2012	00665	Phosphorus, Total (P)	30D Conc	1.0	2.74	4/1/2012
April 2012	00665	Phosphorus, Total (P)	7D Conc	1.5	2.74	4/1/2012
April 2012	00665	Phosphorus, Total (P)	30D Qty	0.5	.76745	4/1/2012
April 2012	00665	Phosphorus, Total (P)	7D Qty	0.74	.76745	4/1/2012
April 2012	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	14.4	4/15/2012
April 2012	00610	Nitrogen, Ammonia (NH3)	7D Qty	2.2	4.19681	4/15/2012
May 2012	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	16.8	5/1/2012
May 2012	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	16.3	5/1/2012
May 2012	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.5	6.04143	5/1/2012
May 2012	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.74	6.9099	5/1/2012
May 2012	00665	Phosphorus, Total (P)	30D Conc	1.0	2.8	5/1/2012
May 2012	00665	Phosphorus, Total (P)	7D Conc	1.5	2.8	5/1/2012
May 2012	00665	Phosphorus, Total (P)	30D Qty	0.5	1.18698	5/1/2012
May 2012	00665	Phosphorus, Total (P)	7D Qty	0.74	1.18698	5/1/2012
May 2012	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	17.3	5/15/2012
May 2012	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.74	5.17296	5/15/2012
June 2012	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	21.05	6/1/2012
June 2012	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	23.3	6/1/2012
June 2012	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.5	7.47102	6/1/2012
June 2012	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.74	2.20476	6/1/2012
June 2012	00665	Phosphorus, Total (P)	30D Conc	1.0	4.08	6/1/2012
June 2012	00665	Phosphorus, Total (P)	7D Conc	1.5	4.08	6/1/2012
June 2012	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	18.8	6/15/2012
June 2012	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.74	12.7372	6/15/2012
July 2012	00530	Total Suspended Solids	7D Conc	34.0	54.	7/1/2012
July 2012	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	14.9	7/1/2012
July 2012	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	15.	7/1/2012
July 2012	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.5	2.00302	7/1/2012
July 2012	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.74	2.15745	7/1/2012
July 2012	00665	Phosphorus, Total (P)	30D Conc	1.0	4.	7/1/2012
July 2012	00665	Phosphorus, Total (P)	7D Conc	1.5	4.	7/1/2012
July 2012	00665	Phosphorus, Total (P)	30D Qty	0.5	.57532	7/1/2012
July 2012	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	14.8	7/15/2012
July 2012	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.74	1.84859	7/15/2012

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2PB00053 (001) Effluent Limit Violations (cont.)

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Reporting Period	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
July 2012	00300	Dissolved Oxygen	1D Conc	6.0	5.6	7/17/2012
July 2012	00300	Dissolved Oxygen	1D Conc	6.0	5.7	7/18/2012
July 2012	00300	Dissolved Oxygen	1D Conc	6.0	5.8	7/20/2012
July 2012	00300	Dissolved Oxygen	1D Conc	6.0	5.8	7/23/2012
July 2012	00300	Dissolved Oxygen	1D Conc	6.0	5.4	7/24/2012
July 2012	00300	Dissolved Oxygen	1D Conc	6.0	5.8	7/25/2012
July 2012	00300	Dissolved Oxygen	1D Conc	6.0	5.9	7/26/2012
July 2012	00300	Dissolved Oxygen	1D Conc	6.0	5.8	7/27/2012
July 2012	00300	Dissolved Oxygen	1D Conc	6.0	5.4	7/30/2012
July 2012	00300	Dissolved Oxygen	1D Conc	6.0	5.9	7/31/2012
August 2012	00665	Phosphorus, Total (P)	30D Conc	1.0	3.64	8/1/2012
August 2012	00665	Phosphorus, Total (P)	7D Conc	1.5	3.64	8/1/2012
August 2012	00300	Dissolved Oxygen	1D Conc	6.0	5.9	8/2/2012
September 2012	00665	Phosphorus, Total (P)	30D Conc	1.0	3.96	9/1/2012
September 2012	00665	Phosphorus, Total (P)	7D Conc	1.5	3.96	9/1/2012
September 2012	00665	Phosphorus, Total (P)	30D Qty	0.5	1.28902	9/1/2012
September 2012	00665	Phosphorus, Total (P)	7D Qty	0.74	1.28902	9/1/2012
October 2012	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	1.145	10/1/2012
October 2012	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	1.78	10/1/2012
October 2012	00665	Phosphorus, Total (P)	30D Conc	1.0	2.84	10/1/2012
October 2012	00665	Phosphorus, Total (P)	7D Conc	1.5	2.84	10/1/2012
November 2012	00665	Phosphorus, Total (P)	30D Conc	1.0	1.46	11/1/2012
December 2012	00665	Phosphorus, Total (P)	30D Conc	1.0	2.04	12/1/2012
December 2012	00665	Phosphorus, Total (P)	7D Conc	1.5	2.04	12/1/2012

Bloomville WWTP 8/28/2012

RATING CODES: S = Satisfactory; U = Unsatisfactory; M = Marginal; IN = In Operation; OUT = Out of Operation

CONDITION OR APPEARANCE		RATING	COMMENTS
General	Grounds	S	
	Buildings		
	Potable Water Supply Protection		
	Safety Features	S	Security fence and gate provided
	Bypasses		
	Stormwater Overflows		
	Alternate Power Source	S	Generator provided
Preliminary	Maintenance of Collection Systems	M	Separate sanitary sewer (inflow and infiltration evident)
	Pump Station	In	
	Ventilation		
	Bar Screen		
	Disposal of Screenings		
	Comminutor		
	Grit Chamber		
	Disposal of Grit		
Primary	Settling Tanks		
	Scum Removal		
	Sludge Removal		
	Effluent		
Sludge Disposal	Digesters		
	Temperature and pH		
	Gas Production		
	Heating Equipment		
	Sludge Pumps		
	Drying Beds		
	Vacuum Filter		
	Disposal of Sludge	-	
Other	Flow Meter and Recorder	In	Telemetry
	Records		
	Lab Controls		
	Chemical Treatment	O / U	Alum treatment for phosphorus removal (no alum on site)
Lagoon Zones	Lagoon Cell Zone 1	U	Complete mix aeration zone and Internal separator (IS) module - weed growth must be removed and/or controlled
	Lagoon Cell Zone 2	M	Attached growth media and aeration - bio reefs sagging due to lack of deadman anchors
	Lagoon Cell Zone 3	M	Covered settling zone - weed growth on the floating cover needs to be controlled
			* muskrat problem at bank of lagoon was indicated
Disinfection	Effluent	S	Effluent appeared clear w/ slight green cast at discharge location
	Disinfection System	In	Ultraviolet (UV) disinfection in use
	Effective Dosage		
	Contact Time		
	Contact Tank		
	Post Aeration	In	Post aeration provided







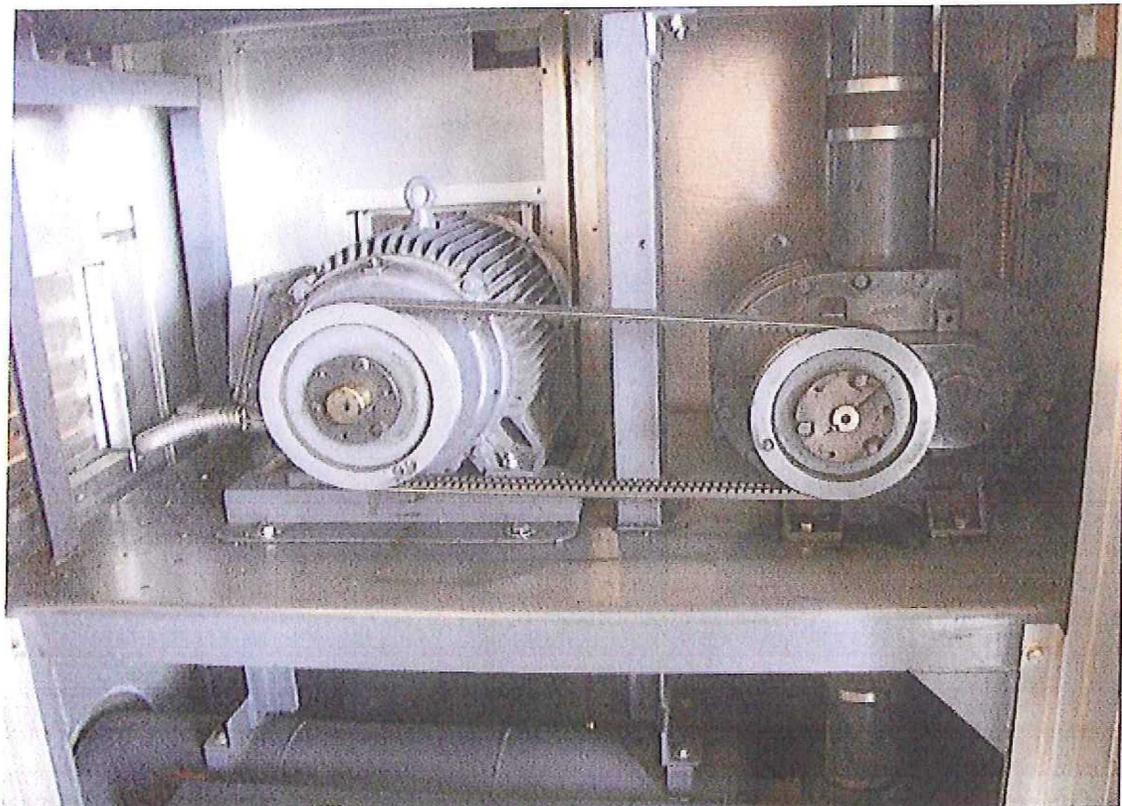














Ohio EPA

State of Ohio Environmental Protection Agency Northwest District Office

From: M.B. Cohen
To: File
Re: Bloomville Wastewater Treatment Plant (WWTP)
Date: June 22, 2010

On June 22, 2010, we met at the Bloomville Village office to discuss the modifications / upgrades to the WWTP. Ms. Barbara Jacoby, Mayor, Mr. Darin Brown, WWTP Superintendent, Mr. Mike Atherine, Poggemeyer Design Group, and Mary Beth Cohen, Ohio EPA were present.

A copy of the (proposed) "*Scope of Work*" for WWTP improvements was provided (attached).

We also visited the WWTP to observe existing conditions. Pictures taken during the visit are also attached.

SCOPE OF WORK
WASTEWATER TREATMENT PLANT IMPROVEMENTS
BLOOMVILLE, OHIO

1. Move influent pipe away from IS Modules.
2. Construct a equalization basin/diversion chamber to address peak flows.
3. Construct a fixed walkway to IS Module Boxes.
4. Look at replacing influent chopper pump 2-blade cutter system with a 5-blade cutter system. Also install variable speed drive on pumps.
5. Seed the CM zone with biosolids.
6. Re-float the Bioreef and make any other necessary adjustments.
7. Address the growth of vegetation on the cover of the Quiescent Zone.

RECEIVED

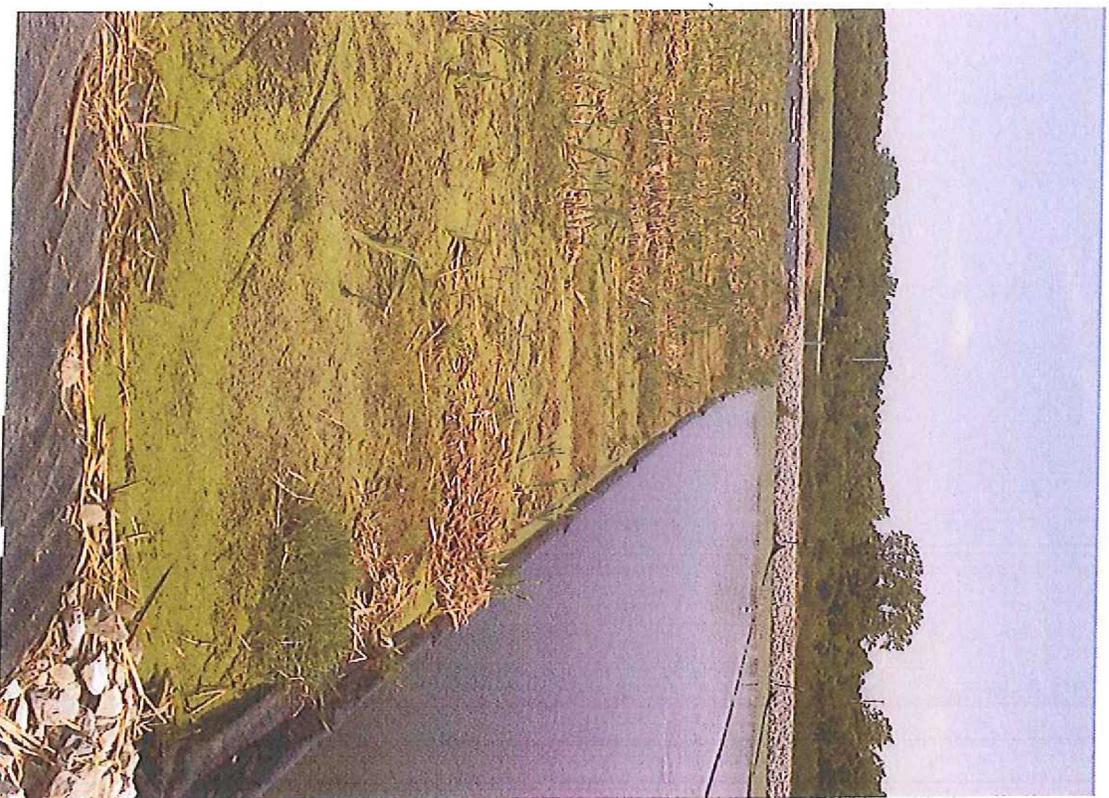
JUN 22 2010

**OHIO E.P.A.
N.W.D.O.**

Bloomville WWTP
06/22/2010
Pictures taken by M.B.Cohen

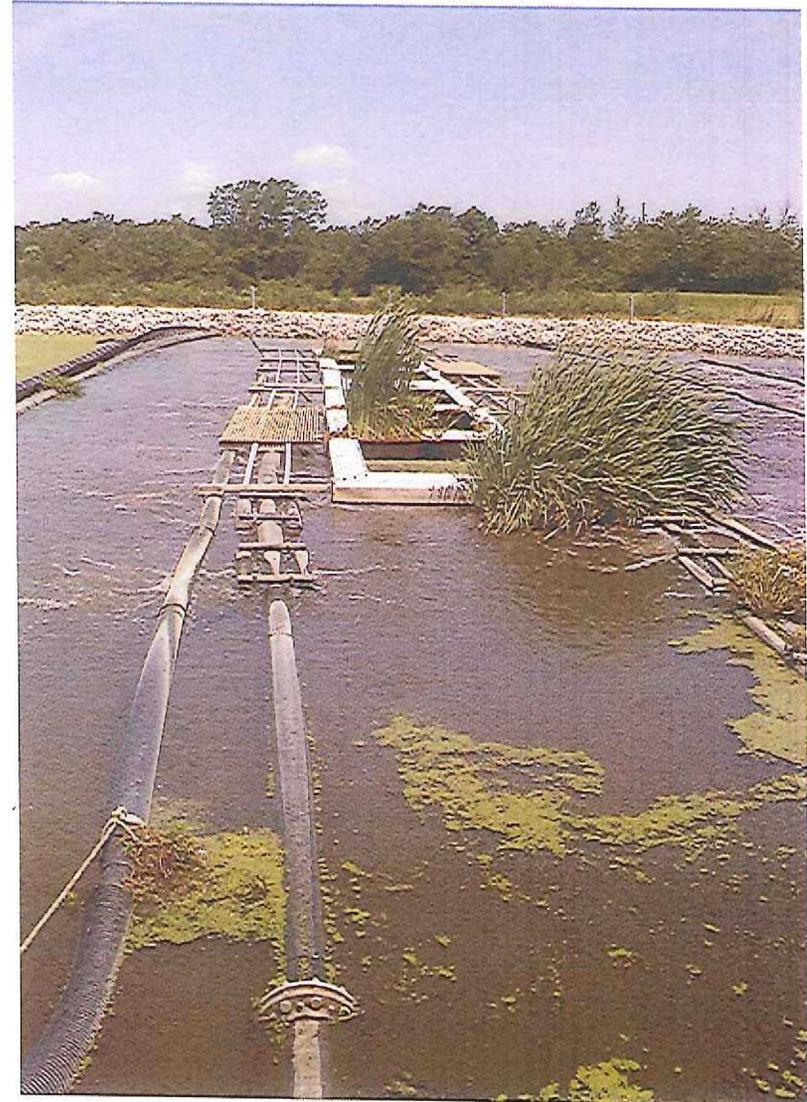


Zone 3 – west end of lagoon "cover"





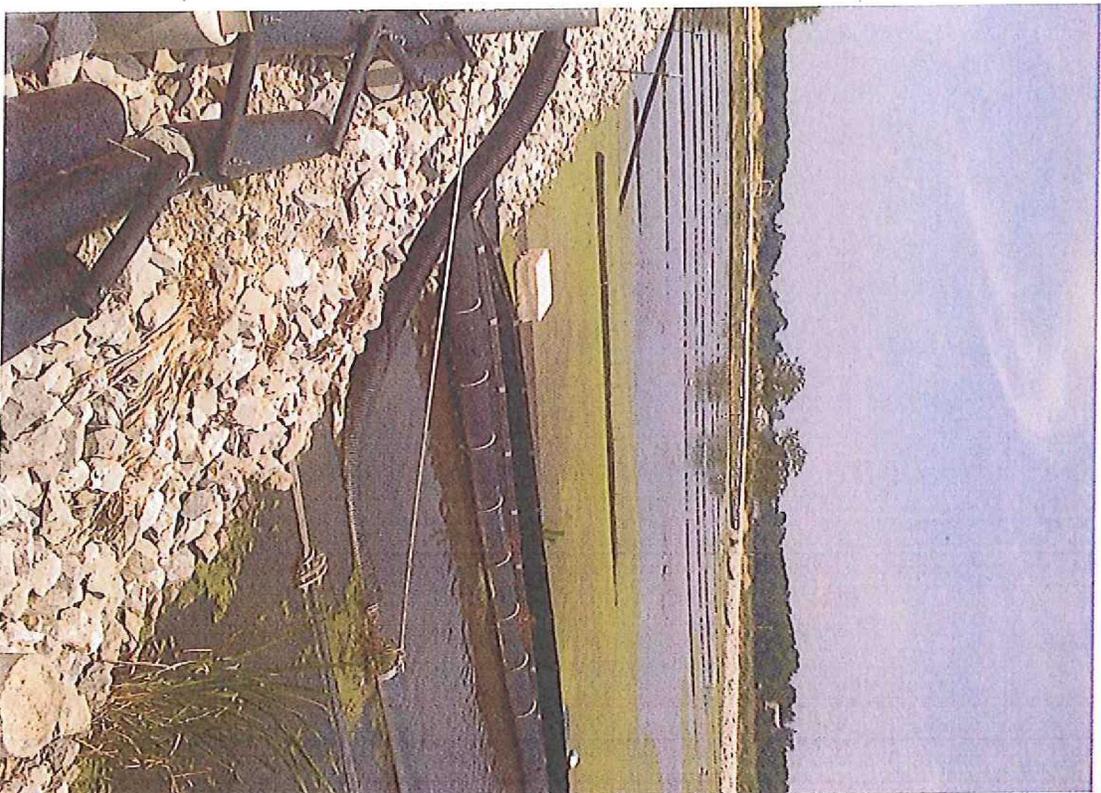
Zone 3 – west end of lagoon "cover"
West lagoon bank - piles of material removed from cover 1 wk earlier



Zone 1 – east end of lagoon
Aeration / self cleaning internal separators (IS) modules



Baffle between zones 1 & 2





Zone 2 - floating bioreef



Post aeration - effluent just after UV



West lagoon bank - piles of growth material removed from cover 1 wk earlier

