



Environmental
Protection Agency

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

June 8, 2012

Keith Shull, Operator
Amanda WWTP
P O Box 250
Amanda, OH 43102

Re: **Amanda WWTP**
NPDES Permit 4PB00021/ OH0048194
Reconnaissance Inspection
Fairfield County
Notice of Violation

Dear Mr. Shull:

On March 5, 2012, a Reconnaissance Inspection was conducted at the Amanda WWTP. Present for the inspection were Keith Shull, Operator, and R. Ben Headrick, of the Village of Amanda 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 compliance issues were discussed during the inspection:

- Several permit limit violations were recorded for the period evaluated from September 2009 through February 2012 (Attachment). The Village must attempt to eliminate violations as much as possible. This may include such things as adjusting detention times or limiting discharges during problematic time periods (e.g., algae blooms during the warmer months can cause problems with high pH if discharges are made during the afternoon and evening hours).
- Values reported as AF during January and February 2010, were due to cold temperatures and frozen conditions preventing sampling.
- The eDMR for December 2010 was never submitted (Attachment). The Village shall investigate and either submit the missing report, or provide an explanation for the missing submittal.
- There were no samples obtained for Nitrogen, Ammonia (NH₃) for the months of September 2009 and October 2010 (Attachment). The Village shall investigate and provide an explanation for the missing submittal and provide the data (if available).

- The Village reported over 300 SSO events during May 2011 (Attachment). When this was brought to the attention of the WWTP staff, the staff maintained that there were no such events in May and that the only SSO for the period evaluated was on November 24, 2011. The Village shall investigate and provide an explanation for the questioned entries. Also, the Village is reminded that only SSO *events* need be reported on the DMR, not the actual overflow volume (an overflow volume of 0.005 MGD was reported rather than a value of 1). Details of this event, including overflow volume should be submitted in the annual SSO report, due on March 31, 2012.
- The Village has not submitted semi-annual groundwater monitoring data to Ohio EPA since 1996. According the Permit to Install (PTI), groundwater monitoring around the lagoons was supposed to take place 2 times per year. The Village shall immediately reinstitute groundwater monitoring as specified in the PTI no later than the date specified below.

The Village is respectfully requested to respond in writing addressing the issues raised in this letter by July 27, 2012. If you have any questions or comments concerning 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
Compliance and Enforcement Unit
Division of Surface Water
Central District Office

ec: Paul L. Vandermeer

NPDES Compliance Inspection Report

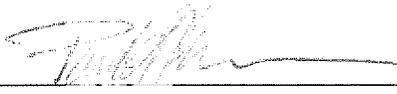
SECTION A: NATIONAL DATA SYSTEM CODING				
Permit #	NPDES #	Inspection Type	Inspector	Facility Type
4PB00021	OH0048194	FI	S	1
Inspection Date	Entry Time	Exit Time	Notice of Violation	Significant Non-Compliance
3/5/2012	11:30 AM	12:10 PM	Yes	No

SECTION B: FACILITY DATA	
Name and Location of Facility Inspected	Permit Effective Date
Amanda WWTP E. Main Street Amanda OH 43102	8/1/2008
	Permit Expiration Date
	7/31/2013
Name(s) and Title(s) of On-Site Representatives	Phone Numbers
R. Ben Hendrick, Village of Amanda Water and Wastewater	(740) 474-1468
Name and Title of Responsible Official	Phone Number
Shull, Keith, Operator	(740) 474-1468

SECTION C: AREAS EVALUATED DURING INSPECTION		
Key: S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated		
U	NPDES Compliance	See discussion of violations in text of cover letter
S	Operations & Maintenance	Lagoon berms were clear of vegetation and free of animal burrows. Influent screens are cleaned 4X per week.
S	Facility Site Review	
U	Collection System	SSO in November, large number in May 2011. See discussion in cover letter.
S	Flow Measurement	A new meter was installed in December 2011
N	Receiving Waters	*See comment below.
N	Laboratory	TCCI laboratory performs all sample analysis

Comments: *The Village should consider recalculating the cross-sectional area of Clear Creek adjacent to the discharge point for the purposes of establishing fresh volume estimates used in discharge determinations. All streams erode their banks and beds and the accompanying changes in stream morphology can have a significant effect on the volume of flow passing a given point. This may be causing the Village to discharge wastewater when stream flow volumes are too low, or causing a delay in the discharge of wastewater when in actuality flow volumes exceed permitted stream discharge flow volumes.

Signatures

	6/7/12		6/7/12
Paul L. Vandermeer, Inspector Compliance & Enforcement Division of Surface Water Central District Office	Date	Mike Gallaway, Reviewer Section Manager Division of Surface Water Central District Office	Date

Attachment: Compliance Data for Amanda WWTP between 9/1/2009 to 3/1/2012

Summary

Permit Effluent Limit Violations: 9
 Permit Effluent Code Violations: 56
 Permit Effluent Frequency Violations: 2
 Compliance Schedule Violations: 0
 Reported SSO Events: 306

Limit Violations						
Reporting Period	Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
November 2009	001	Total Suspended Solids	30D Conc	65	73.3333	11/1/2009
February 2010	001	CBOD 5 day	30D Conc	25	25.5	2/1/2010
April 2010	001	Total Suspended Solids	30D Conc	65	105.	4/1/2010
April 2010	001	Total Suspended Solids	7D Conc	90	186.	4/8/2010
March 2011	001	CBOD 5 day	30D Conc	25	28.6666	3/1/2011
May 2011	001	Total Suspended Solids	30D Conc	65	95.5	5/1/2011
May 2011	001	Total Suspended Solids	7D Conc	90	98.	5/8/2011
May 2011	001	pH	1D Conc	10.0	10.11	5/9/2011
May 2011	001	Total Suspended Solids	7D Conc	90	93.	5/15/2011

Code Violations				
Reporting Period	Station	Parameter	Reported Value	Violation Date
January 2010	001	Water Temperature	AF	1/23/2010
January 2010	001	Color, Severity	AF	1/23/2010
January 2010	001	Turbidity, Severity	AF	1/23/2010
January 2010	001	Water Temperature	AF	1/24/2010
January 2010	001	Color, Severity	AF	1/24/2010
January 2010	001	Turbidity, Severity	AF	1/24/2010
January 2010	001	Water Temperature	AF	1/25/2010
January 2010	001	Color, Severity	AF	1/25/2010

January 2010	001	Turbidity, Severity	AF	1/25/2010
January 2010	001	Water Temperature	AF	1/26/2010
January 2010	001	Color, Severity	AF	1/26/2010
January 2010	001	Turbidity, Severity	AF	1/26/2010
January 2010	001	Water Temperature	AF	1/27/2010
January 2010	001	Color, Severity	AF	1/27/2010
January 2010	001	Turbidity, Severity	AF	1/27/2010
January 2010	001	Water Temperature	AF	1/28/2010
January 2010	001	Color, Severity	AF	1/28/2010
January 2010	001	Turbidity, Severity	AF	1/28/2010
January 2010	001	Water Temperature	AF	1/29/2010
January 2010	001	Color, Severity	AF	1/29/2010
January 2010	001	Turbidity, Severity	AF	1/29/2010
January 2010	001	Water Temperature	AF	1/30/2010
January 2010	001	Color, Severity	AF	1/30/2010
January 2010	001	Turbidity, Severity	AF	1/30/2010
January 2010	001	Water Temperature	AF	1/31/2010
January 2010	001	Color, Severity	AF	1/31/2010
January 2010	001	Turbidity, Severity	AF	1/31/2010
February 2010	001	Water Temperature	AF	2/1/2010
February 2010	801	Flow Rate	AF	2/1/2010
February 2010	001	Water Temperature	AF	2/2/2010
February 2010	801	Flow Rate	AF	2/2/2010
February 2010	001	Water Temperature	AF	2/3/2010
February 2010	801	Flow Rate	AF	2/3/2010
February 2010	001	Water Temperature	AF	2/4/2010
February 2010	801	Flow Rate	AF	2/4/2010
February 2010	001	Water Temperature	AF	2/5/2010
February 2010	801	Flow Rate	AF	2/5/2010
February 2010	001	Water Temperature	AF	2/6/2010
February 2010	801	Flow Rate	AF	2/6/2010
February 2010	001	Water Temperature	AF	2/7/2010
February 2010	801	Flow Rate	AF	2/7/2010
February 2010	001	Water Temperature	AF	2/8/2010

February 2010	801	Flow Rate	AF	2/8/2010
February 2010	001	Water Temperature	AF	2/9/2010
February 2010	801	Flow Rate	AF	2/9/2010
February 2010	001	Water Temperature	AF	2/10/2010
February 2010	801	Flow Rate	AF	2/10/2010
February 2010	001	Water Temperature	AF	2/11/2010
February 2010	801	Flow Rate	AF	2/11/2010
February 2010	001	Water Temperature	AF	2/12/2010
February 2010	801	Flow Rate	AF	2/12/2010
February 2010	001	Water Temperature	AF	2/13/2010
February 2010	801	Flow Rate	AF	2/13/2010
February 2010	001	Water Temperature	AF	2/14/2010
February 2010	801	Flow Rate	AF	2/14/2010
October 2011	001	Fecal Coliform	AK	10/3/2011

Frequency Violations						
Reporting Period	Station	Parameter	Sample Frequency	Expected	Reported	Violation Date
September 2009	001	Nitrogen, Ammonia (NH3)	1/2Weeks	1	0	09/15/2009
October 2010	001	Nitrogen, Ammonia (NH3)	1/2Weeks	1	0	10/01/2010

*The facility has 2 missing data reports.

Station	Required Report Period	DMR Received
001	December 2010	No
801	December 2010	No

Amanda WWTP SSO Events	Units	Date	Reported Value
Overflow Occurrence	No./Month	5/4/2011	21
Overflow Occurrence	No./Month	5/5/2011	21
Overflow Occurrence	No./Month	5/6/2011	21
Overflow Occurrence	No./Month	5/7/2011	20

Overflow Occurrence	No./Month	5/8/2011	20
Overflow Occurrence	No./Month	5/9/2011	20
Overflow Occurrence	No./Month	5/10/2011	20
Overflow Occurrence	No./Month	5/11/2011	20
Overflow Occurrence	No./Month	5/12/2011	19
Overflow Occurrence	No./Month	5/13/2011	19
Overflow Occurrence	No./Month	5/14/2011	19
Overflow Occurrence	No./Month	5/15/2011	18
Overflow Occurrence	No./Month	5/16/2011	18
Overflow Occurrence	No./Month	5/17/2011	18
Overflow Occurrence	No./Month	5/18/2011	18
Overflow Occurrence	No./Month	5/19/2011	18
Overflow Occurrence	No./Month	5/20/2011	17
Overflow Occurrence	No./Month	5/21/2011	17
Overflow Occurrence	No./Month	11/24/2011	0.005