

John R. Kasich, Governor
Richard F. Taylor, Lt. Governor
Loretta J. Nally, Director

April 11, 2013

Mark Tingley, Superintendent
Buckeye Valley Schools
679 Coover Road
Delaware, OH 43015

**Re: Buckeye Valley Middle & High Schools
NPDES Permit 4PT00107/ OH0121410
Reconnaissance Inspection
Delaware County**

Dear Mr. Tingley:

On April 3, 2012, a Reconnaissance Inspection was conducted at the wastewater treatment facility serving the Buckeye Valley school complex. Present for the inspection were Mark Malcom and TJ Howard, contract wastewater treatment plant operator representing Buckeye Valley Schools and myself of the Ohio EPA, Central District Office, Division of Surface Water.

The inspection was conducted to determine if corrective actions were undertaken to resolve a number of deficiencies discussed during our meeting of January 13, 2013. At the time of the inspection, all of the deficiencies, with the exception of the leak in the wall of the northwest sand filter, had been satisfactorily resolved. The plant operator was repairing the wall at the time of the inspection and anticipated that the repair would be completed by the end of the week.

This facility remains in Significant Non-Compliance (SNC) due to the frequency and magnitude of effluent violations for ammonia. The plant operator is making daily visits to the plant and is adding supplemental alkalinity on a daily basis. These modifications have resulted in compliance with ammonia limit in the months of January and February 2013. Please be advised that it will be necessary to maintain compliance with your ammonia limit for three successive months in order to be removed from the SNC list. Failure to resolve the ammonia violations and maintain compliance with NPDES permit limits may result in the initiation of formal enforcement action.

Mark Tingley, Superintendent
Buckeye Valley Schools
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Please refer to the Summary of Findings and Comments section of this report for additional details regarding the compliance inspection. Please contact me at (614) 644-3848 or e-mail at mike.sapp@epa.state.oh.us if you have any questions concerning the attached report.

Sincerely,

A handwritten signature in black ink, reading "Michael E. Sapp". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Michael Sapp
Compliance and Enforcement Unit
Division of Surface Water
Central District Office

cc: Michael Sapp

c: Mark Malcom, Director of Administrative Services, w/enc.
TJ Howard, w/enc.

MS/nsm Buckeye Valley HS 13

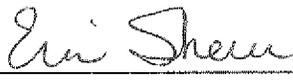
NPDES Compliance Inspection Report

SECTION A: NATIONAL DATA SYSTEM CODING				
Permit #	NPDES #	Inspection Type	Inspector	Facility Type
4P.00107	OH0121410	IJ	S	Semi-Public
Inspection Date	Entry Time	Exit Time	Notice of Violation	Significant Non-Compliance
4/3/13	10:00 AM	10:45 AM	Yes	Yes

SECTION B: FACILITY DATA	
Name and Location of Facility Inspected	Permit Effective Date
Buckeye Valley Schools 679 Coover Road Delaware, Ohio 43015	11/1/2011
	Permit Expiration Date
	10/31/2016
Name(s) and Title(s) of On-Site Representatives	Phone Numbers
TJ Howard, Contract Operator	(419) 560-3413
Mark Malcom, Director of Administrative Services	(740) 363-7654
Name and Title of Responsible Official	Phone Number
Mark Tingley, Superintendent	(740) 369-8735

SECTION C: AREAS EVALUATED DURING INSPECTION		
Key: S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated		
U	NPDES Compliance	Failure to provide non-compliance notification.
S	Operations & Maintenance	
S	Facility Site Review	
S	Collection System	
S	Flow Measurement	
U	Receiving Waters	Significant Non-Compliance for chronic effluent violations
N	Laboratory	

Comments:
See attached summary for additional comments.

Signatures	
 4/9/13	 4/9/13
Michael Sapp, Inspector Compliance & Enforcement Division of Surface Water Central District Office	Erin Sherer, Reviewer Compliance & Enforcement Supervisor Division of Surface Water Central District Office

Compliance Data for Buckeye Valley Schools between 11/1/2012 to 3/1/2013

Summary

Permit Effluent Limit Violations: 5
 Permit Effluent Code Violations: 0
 Permit Effluent Frequency Violations: 0
 Compliance Schedule Violations: 0

Limit Violations						
Reporting Period	Station	Parameter	Limit Type	Limit Value	Reported Value	Violation Date
November 2012	001	Nitrogen, Ammonia (NH3)	7D Conc	4.5	5.9	11/15/2012
December 2012	001	Nitrogen, Ammonia (NH3)	30D Conc	3.0	15.16	12/1/2012
December 2012	001	Nitrogen, Ammonia (NH3)	30D Qty	0.4	.5963	12/1/2012
December 2012	001	Nitrogen, Ammonia (NH3)	7D Conc	4.5	28.5	12/15/2012
December 2012	001	Nitrogen, Ammonia (NH3)	7D Qty	0.6	1.13266	12/15/2012

Flow Data for Buckeye Valley Middle & High Schools between 11/1/2012 and 3/1/2013

	Date	Flows (MGD)
Ten Highest Flows	1/17/2013	0.034
	12/27/2012	0.025
	1/25/2013	0.018
	2/14/2013	0.018
	2/15/2013	0.017
	12/28/2012	0.017
	2/23/2013	0.016
	2/24/2013	0.016
	2/25/2013	0.016
	1/18/2013	0.016
Average Flow Rate		0.011

SUMMARY OF FINDINGS AND COMMENTS

Buckeye Valley Schools Wastewater Treatment Plant 4PT00107 - OH0121410

The wastewater treatment plant serving the Buckeye Valley Schools facility has a design treatment capacity of 35,000 gpd with a direct discharge to an unnamed tributary to the Olentangy River. The plant serves a middle school, high school and administration building located off Coover Road. Wet stream process provided at the facility include a trash trap, flow equalization basin, extended aeration with clarification, a dosing tank, fixed media sand filters, tertiary sand filters, chlorination and dechlorination facilities. Solids handling consist of a sludge holding tank with decant capabilities. Liquid sludge is hauled to another facility for further processing followed by land application.

1. The inspection focused on a number of deficiencies that were identified and discussed during a meeting that was held in our district office on January 31, 2013. At the time of the inspection, the following issues appeared to be resolved
 - The outfall sign was installed at the Outfall 001 discharge to an unnamed tributary to the Olentangy River.
 - The tertiary sand filters were properly maintained in a weed-free condition.
 - The operator log book was properly maintained and contained a satisfactory level of detail.
2. The operator was working to repair a separation of the concrete walls in the north east corner of the north east sand filter. It was anticipated that the repair would be completed by the end of the week.
3. During ^{our} meeting in January we discussed the possibility of installing an autodialer in the plant that would call in the event of a power outage or tripping off of the aeration blowers. The school evaluated this option and determined it to be cost prohibitive. The cost estimate was \$5000. As an alternative, the plant operator will prepare a checklist that school maintenance staff will use to perform daily checks of the plant. School administration is working with the power provider to further evaluate problems with the electrical feed to the school. The school is apparently on the end of the power line which is causing some of the problems at the plant.
4. Please be advised that Part III-12 of your effective NPDES permit requires that you submit an email or a letter of explanation outlining the actions you have taken or are taking to correct certain instances of non-compliance. This requirement is

particularly important for facilities such as Buckeye Valley which has been in SNC for a significant period of time. This deficiency was identified in the previous inspection report and the plant operator has been repeatedly notified of this requirement.

5. The plant operator is now making daily visits to the plant daily and performs tests for pH, and periodically, for alkalinity. Supplemental alkalinity is being added daily based on the pH readings. The operator has attributed recent compliance with ammonia limits (January and February 2013) to this practice.
6. The operator will work with Jon van Dommelen in the Ohio EPA Compliance Assistance Unit to evaluate an alternative feed point for chlorine addition to increase the contact time provided for disinfection