



John R. Kasich, Governor  
Nancy Taylor, Lt. Governor  
Robert A. Nally, Director

July 11, 2013

Lyndon Johnson, Superintendent  
West Jefferson WWTP  
28 E. Main St.  
West Jefferson, OH 43162

**Re: West Jefferson WWTP  
NPDES Permit 4PB00024/ OH0054321  
Reconnaissance Inspection  
Madison County**

Dear Mr. Johnson:

On June 24, 2013, a Reconnaissance Inspection was conducted at the West Jefferson WWTP. Present for the inspection were you, the Superintendent of the system, 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.

**Findings:**

1. Attached are compliance tables between March 2012 and May 2013. The phosphorus violations were covered in an October 2012 Notice of Violation. You increased the feed rate of the ferric chloride feed and as a result there have been no violations since September 2012.
2. The Village is reviewing pretreatment phosphorus limits due to high results associated with Battelle's indirect discharge. Ohio EPA has requested for Battelle to submit a permit modification by August 15. **lease submit an industrial user limit for phosphorus as Ohio EPA will choose an industrial user limit if the Village does not submit a limit by August 15.**
3. The Village is investigating upgrading the plant to include preliminary treatment and biological nutrient removal of phosphorus. Ohio EPA continues to support upgrades to the preliminary treatment system as rags and trash were seen at parts of the plant (see **Figures 1 and 2**). Additionally, screenings with maximum openings of 5/8" must be installed by July 1, 2015, in order for the facility to continue to land apply sludge.

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4. The flow meter was last calibrated October 11, 2011. **Please calibrate the effluent meter as soon as can be scheduled.**
5. The permit will expire on July 31, 2014. A permit renewal application will be required by February 1, 2014.
6. The plant appeared to be operating well with a well-treated effluent discharging to Little Darby Creek at the time of the inspection.

**A response is requested when the flow meter is calibrated and for industrial user limits for phosphorus.** If you have any questions or comments concerning the enclosed inspection report, please contact me at (614) 728-3846 or e-mail at [cole.miller@epa.state.oh.us](mailto:cole.miller@epa.state.oh.us).

Sincerely



Cole Miller  
Environmental Specialist II  
Compliance and Enforcement Unit  
Division of Surface Water  
Central District Office

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ec: Cole Miller

Figure 1  
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Figure 3  
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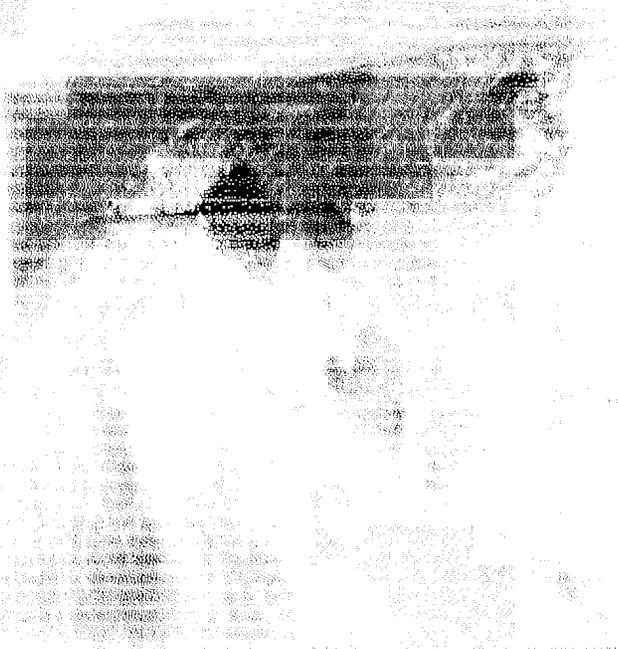
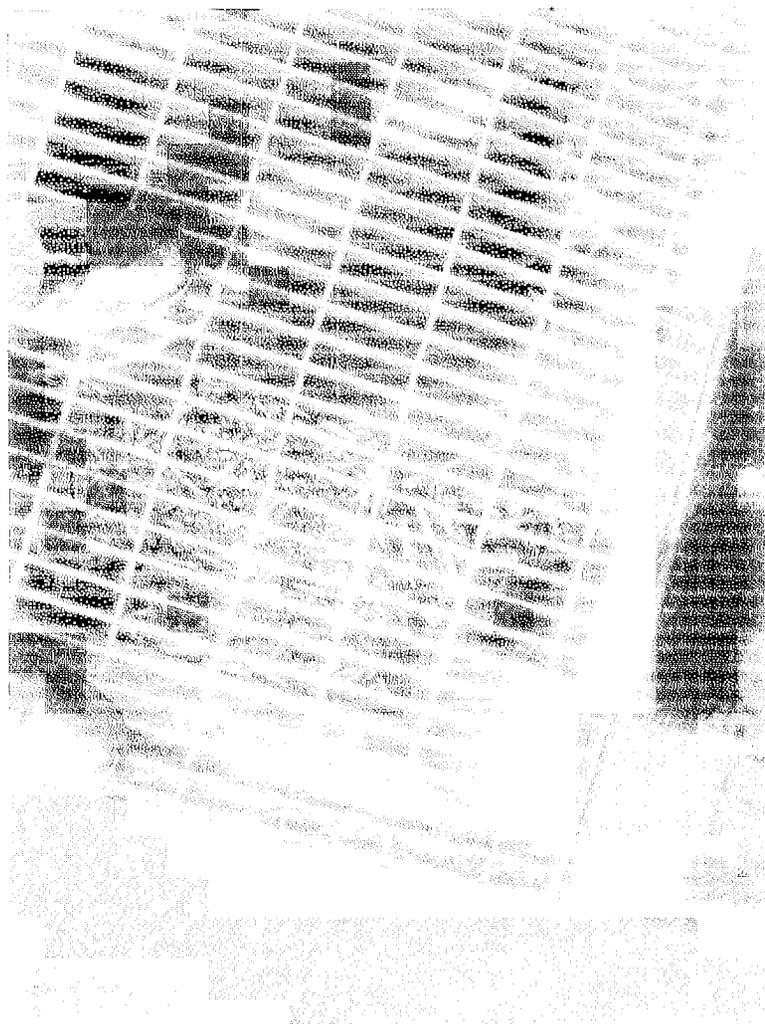


Figure 1: [Illegible text]

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**NPDES Compliance Inspection Report**

SECTION A: GENERAL DATA				
Permit #	NPDES #	Inspection Type	Inspector	Facility Type
4PB00024	OH0054321	RI	S	1
Inspection Date	Entry Time	Exit Time	Notice of Violation	Significant Non-Compliance
6/24/2013	9:00 AM	10:45 AM	No	No

SECTION B: FACILITY DATA	
Name and Location of Facility Inspected	Permit Effective Date
West Jefferson WWTP	8/1/2009
	Permit Expiration Date
	7/31/2014
Name(s) and Title(s) of On-Site Representatives	Phone Numbers
Name and Title of Responsible Official	Phone Number
Lyndon Johnson, Superintendent	(614) 879-5343

SECTION C: AREAS EVALUATED DURING INSPECTION		
Key: S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated		
S	NPDES Compliance	
S	Operations & Maintenance	
S*	Facility Site Review	Preliminary treatment is highly recommended and will be required for land application in 2015.
N*	Collection System	Flows peaked at twice the design but 2012 was a relatively dry year.
U*	Flow Measurement	Facility must calibrate flow meter soon.
M*	Receiving Waters	Unable to achieve phosphorus limits at first but there have been no violations since September 2012
N	Laboratory	

Comments:

Signatures	
 7/1/13	 7/2/13
Cole Miller, 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 West Jefferson WWTP between 3/1/2012 to 5/31/2013

### Summary

Permit Effluent Limit Violations: 3

Permit Effluent Code Violations: 1

Permit Effluent Frequency Violations: 0

Compliance Schedule Milestones Not Entered: 0

Limit Violations						
Reporting Period	Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
August 2012	001	Phosphorus, Total (P)	30D Conc	1.0	2.325	8/1/2012
August 2012	001	Phosphorus, Total (P)	30D Qty	4.6	6.02493	8/1/2012
September 2012	001	Phosphorus, Total (P)	30D Conc	1.0	1.46	9/1/2012

Code Violations				
Reporting Period	Station	Parameter	Reported Value	Violation Date
May 2012	001	Fecal Coliform	AK	5/2/2012

Flow Data for West Jefferson WWTP between 3/1/2012 and 5/31/2013

	Date	Flows (MGD)
Ten Highest Flows	3/16/2013	2.137
	4/27/2013	2.031
	3/18/2013	2.002
	5/5/2012	1.896
	5/4/2012	1.894
	3/11/2013	1.781
	1/30/2013	1.705
	3/19/2013	1.704
	3/12/2013	1.540
	5/2/2012	1.482
<b>Average Flow Rate</b>		0.793