

State of Ohio Environmental Protection Agency

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4PC00005 C

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April 27, 2010

The Honorable Charles Wise, Mayor
Village of Ashville
200 Station Street
Ashville, OH 43103

Dear Mayor Wise:

Enclosed is a copy of a report for a Compliance Evaluation Inspection that Jan Rice of my staff conducted at the Village of Ashville Wastewater Treatment Plant (WWTP) on March 15, 2010.

The purpose of the inspection was to assess progress in resolving what has unfortunately become prolonged wastewater discharge permit noncompliance. Mr. Jim Welsh, Utilities Superintendent, and Mr. Franklin Christman, the Village Administrator were present for this inspection.

This office appreciates improvements the village has made in its sanitary sewer collection system and at the WWTP. These improvements have been beneficial but have not yet accomplished the goal of providing consistent permit compliance.

This office has been extremely patient with the village over the years allowing the village sufficient time to resolve its wastewater management problems. Continued noncompliance is unacceptable and may leave this office no choice but to escalate enforcement action in response to violations.

Enforcement action may result in an enforceable timeline imposed by this office as well as a possible financial penalty in response to violations. This office may also have no choice but to disapprove Permits to Install submitted by the village for connection of new wastewater sources into its system until after wastewater management improvements are well underway.

Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director

The Honorable Charles Wise, Mayor
Village of Ashville
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Please review this report carefully and advise Jan Rice in writing by June 1, 2010, regarding how the village will provide consistent compliance with its wastewater discharge permit. If you have questions I can be contacted by telephone at 614-728-3839 or by e-mail at erin.sherer@epa.state.oh.us.

Sincerely,



Erin Sherer
Environmental Supervisor
Compliance /Enflocement Group
Division of Surface Water
Central District Office

Enclosure

c: Jim Welsh, Superintendent
Franklin Christman, Village Administrator

ES/nsm Ashville 3-12-2010

NPDES
Compliance Inspection Report

A. NATIONAL DATA SYSTEM CODING

Permit No.	NPDES No.	Date	Inspection Type	Inspector	Facility Type
4PC00005	OH0020877	3/12/10	CEI	S	1

B. FACILITY DATA

Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Village of Ashville Wastewater Treatment Plant (WWTP) 67 South Scioto Street Ashville, Ohio 43103	9:00 A.M.	7/1/07
	Exit Time	Permit Expiration Date
	12:00 P.M.	6/30/12

Name(s) and Title(s) of On-Site Representative(s)	Phone Number(s)
Jim Welsh, Utilities Superintendent	(c) 614-332-8775 (o) 740-983-3412
Name(s) Address and Title(s) of Operator of Record	Phone Number(s)
John Kinder, President, Kinder Environmental Services, Inc., 2112 Cherry Valley Road Newark, Ohio 43055	(c) 740-404-5528 (o) 740-522-0762
Name, Address and Title of Responsible Official	Phone Number
Franklin Christman, Village Administrator, 200 Station Street, Ashville, Ohio 43103	(office) 740-983-6367

C. AREAS EVALUATED DURING INSPECTION (S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

U	Permit - rated unsatisfactory due to continued permit violations.
N/M	Records/Reports - the superintendent will begin providing additional information associated with reports listed in Table "C" of this report.
S/S	Operations & Maintenance
S	Facility Site Review
M	Collection System - the superintendent indicated that inflow/infiltration continues to be a problem in the west portion of the sanitary sewer collection system.
S	Flow Measurement
N	Laboratory
U/S	Effluent/Receiving Waters - effluent limitations violations are listed in Table "A" of this report.
S/M	Sludge Storage/Disposal - Table "A" listed two sludge limitations violations for sludge that had been land applied in June, 2009.
N	Pretreatment
S	Compliance Schedules
S	Self-Monitoring Program

D. SUMMARY OF FINDINGS/COMMENTS: The permittee has continued improvement of both its WWTP and sanitary sewer collection system but additional work is necessary to further reduce the detrimental impact that prolonged wet weather events have on this treatment and collection system. WWTP design flow is 0.60 million gallons per day (MGD). The February, 2010 monthly average wastewater flow discharged from this WWTP was 0.57 MGD. As has been discussed in previous inspection reports this WWTP is hydraulically overloaded during wet weather periods of varying intensity. These conditions contribute to wastewater discharge permit effluent limitations violations. With this in mind this office may be left no choice but to disapprove Permits to Install submitted by the permittee for connection of new wastewater sources into its system until after wastewater management improvements are well underway. This matter has been discussed with the village administrator.

Continued noncompliance may also leave this office no choice but to escalate enforcement action in response to violations. Enforcement action may consist of an improvements timeline created by this office as well as a possible financial penalty in response to violations.

Jan Rice

Jan Rice, Inspector, Ohio EPA, Central District Office

4/26/10

Date

Erin Sherer

Erin Sherer, Reviewer, Ohio EPA, Central District Office

4/26/10

Date

Sections E through K: Complete on all inspections as appropriate (N/A = Not Applicable N/E = Not Evaluated)

E. PERMIT VERIFICATION

Inspection Observations Verify the Permit	Yes	No	N/A	N/E
a. Correct name and mailing address of permittee	X			
b. Correct name and location of receiving waters	X			
c. Product(s) and production rates conform with permit application (industries)			X	
d. Flows and loadings conform with NPDES permit	*X			
e. Treatment processes are as described in permit application/briefing memo		*X		
f. New treatment process(es) added since last inspection (last inspection 6/3/09)		X		
g. Notification given to state of new, different, or increased discharges		X		
h. All discharges are permitted	X			
i. Number and location of discharge points are as described in permit	X			

Comments: *d. - the permittee has continued improvement of both its WWTP and sanitary sewer collection system but additional work is necessary to further reduce the detrimental impact that prolonged wet weather events have on this treatment and collection system. Continued wastewater discharge permit noncompliance is unacceptable.

*e. - the Ohio EPA file for this facility contains complaints from residents north of the plant about WWTP odors. The Ohio EPA Compliance Assistance Unit has successfully worked with the permittee to reduce WWTP odors. This work, along with other work performed by the permittee, has reduced but not entirely eliminated odors. This work involved shifting the treatment process from use of anaerobic to aerobic sludge digestion, enclosing some plant components and use of odor filtration at various locations within the WWTP. Photographs of odor control projects are included in this report.

On April 16, 2010 the superintendent indicated during a telephone discussion that sanitary sewer line inspection located a partially blocked sewer in a manhole west of homes/apartments whose residents have complained regarding WWTP odors. The manhole is south of W. Main St. and on the west side of railroad tracks west of the WWTP. The superintendent indicated that the sewer obstruction had been removed from the manhole. Wastewater upstream from the manhole was septic and odorous and could have contributed to some of the odors noticed by nearby residents. The superintendent intends further inspection of this sewer line to determine if inflow/infiltration is a problem in that area.

F. COMPLIANCE SCHEDULES/VIOLATIONS

	Yes	No	N/A	N/E
a. Any significant violations since the last inspection	X			
b. Permittee is taking actions to resolve violations	*X			
c. Permittee has compliance schedule	X			
d. Compliance schedule contained in: Wastewater discharge permit	X			
e. Permittee is meeting compliance schedule	X			

Comments: *b. - effluent limitation violations are listed in Table "A" of this report. The permittee is involved with a task force to review a regional wastewater management approach that may resolve noncompliance at the Ashville WWTP. If this regional approach does not seem feasible then the permittee must proceed with upgrade of its WWTP. Continued wastewater discharge permit noncompliance is unacceptable. Failure to provide consistent compliance may leave this office no choice but to initiate enforcement action in response to violations.

G. OPERATION AND MAINTENANCE

Treatment Facility Properly Operated and Maintained	Yes	No	N/A	N/E
a. Standby power available: Generator <u> X </u> Dual Feed _____	X			
b. Adequate alarm system available for power or equipment failures	X			
c. All treatment units in service other than backup units	X			
d. Sufficient operating staff provided: # of shifts: 1 Days/Week: 5 with weekend plant checks				X
e. Operator holds unexpired license of class required by permit Class: _____		*X		
f. Routine and preventive maintenance schedule/performed on time	X			
g. Any major equipment breakdown since last inspection	*X			
h. Operation and maintenance manual provided and maintained	*X			
i. Any plant bypasses since last inspection		X		
j. Regulatory agency notified of bypasses _____ on MORS _____ 800 Number			X	
k. Any hydraulic and/or organic overloads experienced since last inspection	*X			

Comments: *e. - the permit requires that the Operator in Responsible Charge possess a Class II wastewater certification. The superintendent of utilities reported that he has not yet obtained a wastewater certification but intends taking the Class II wastewater examination offered late in 2010. The superintendent indicated that staff intend taking the Class I wastewater examination in late 2010.

The permittee contracts with Kinder Environmental Services, Inc. to provide the Class II oversight required in Part II, Item A of the wastewater discharge permit. The permittee must provide this office written documentation that the Certified Operator in Responsible Charge for its WWTP is meeting the minimum staffing requirements of 5 days/week, 20 hours/week contained in Ohio Administrative Code 3745-7-04 (C).

*g. - the superintendent indicated that electrical problems in 2009 caused numerous motors on pumps in the WWTP to burn out, contributing to noncompliance. The electrical problem was finally resolved by the village's power company on March 11, 2010 when it located and repaired a power line electrical short circuit near the WWTP.

*h. - the superintendent implemented use of an equipment maintenance schedule in July, 2009. Several pump motors have been repaired/replaced due to damage caused by electrical overloads.

*k. - the WWTP continues to be hydraulically overloaded during wet weather periods of time of varying intensity. During such periods of time effluent loading limitation violations have occurred as well as periods of time when the WWTP oxidation ditch rotors were turned off to minimize biosolids loss from the WWTP. Table "C" lists reports submitted to this office by the permittee for times when the oxidation ditch rotors were turned off during high flow periods of time. The permittee must follow-up within five days of such events with a report as required in Part III, Item 12 C in the permit. A Fact Sheet for NPDES Permit 24-hour Non-compliance Notification Requirements can be viewed at http://www.epa.state.oh.us/portals/35/permits/24-hour_Report_FactSheet.pdf. Additional work is necessary in the collection system and WWTP to resolve these hydraulic problems. Continued wastewater discharge permit noncompliance is unacceptable.

Collection System	Yes	No	N/A	N/E
a. Percent combined system: 0 %				
b. Any collection system overflows since last inspection (CSO ___ SSO ___)		X		
c. Regulatory agency notified of overflow (SSOs)		*X		
d. CSO O and M plan provided and implemented			X	
e. CSOs monitored and reported in accordance with permit			X	
f. Portable pumps used to relieve system				X
g. Lift station alarm systems provided and maintained	X			
h. Are lift stations equipped with permanent standby power or equivalent	X			
i. Is there an inflow/infiltration problem (separate sewer system), or were there any major repairs to collection system since last inspection	*X			
j. Any complaints received since last inspection of basement flooding	*X			
k. Are any portions of the sewer system at or near capacity				X

Comments: *c. - the superintendent indicated that there had been an event where wastewater had overflowed from the sanitary sewer collection system into a basement. Such events must be reported in accordance with Part II, Item C of the wastewater discharge permit.

*i. - the superintendent indicated that I/I continues to be a problem in the west side of the village in the Scioto Street area. The village has purchased a color television camera for sewer inspections. I/I inspection and removal work has been delayed due to confined space entry issues in manholes and financial resource constraints. The permittee must ensure that user rates are sufficient to provide monies for such work.

H. SLUDGE MANAGEMENT

a. Sludge Management Plan (SMP):

	Yes	No	N/A	N/E
b. Sludge Management Plan current				X
c. Sludge adequately disposed (Method: landfill/land application)	X			
d. If sludge is incinerated, where is ash disposed of?			X	
e. Is sludge disposal contracted (Name: landfill - Sam's Excavation hauls sludge to Republic landfill near Amanda in Fairfield County; land applic. - Wheeler's Biosolids)	X			
f. Has amount of sludge generated changed significantly since last inspection				X
g. Adequate sludge storage provided at plant	*X			
h. Land application sites monitored and inspected per SMP				X
i. Records kept in accordance with state and federal law				X
j. Any complaints received in last year regarding sludge		X		
k. Is sludge adequately processed (digestion, dewatering, pathogen control)		*X		

Part 3, Laboratory - General	Yes	No	N/A	N/E
a. EPA approved analytical testing procedures used (40 CFR 136.3)				X
b. If alternate analytical procedures are used, proper approval has been obtained				X
c. Analyses being performed more frequently than required by permit		X		
d. If (c) is yes, are results reported in permittee's self-monitoring report			X	
e. Commercial laboratory used				
1. Parameters analyzed by commercial lab: all parameters except dissolved oxygen, suspended solids, temperature, pH, chlorine and ammonia				
2. Lab name: TCCI	X			

Part 3, Laboratory - Quality Control/Quality Assurance	Yes	No	N/A	N/E
f. Quality assurance manual provided and maintained				X
g. Satisfactory calibration and maintenance of instruments and equipment				X
h. Adequate records maintained				X
i. Results of latest U.S. EPA quality assurance performance sampling program:				
Date: N/A				
<input type="checkbox"/> Satisfactory <input type="checkbox"/> Marginal <input type="checkbox"/> Unsatisfactory				

J. EFFLUENT/RECEIVING WATER OBSERVATIONS

Outfall #	Oil Sheen	Grease	Turbidity	Visible Foam	Visible Float Solids	Color	Other
1	None	None	None	Slight	None	Clear	

K. MULTIMEDIA OBSERVATIONS

	Yes	No	N/A	N/E
a. Are there indications of sloppy housekeeping or poor maintenance in work and storage areas or laboratories		X		
b. Do you notice staining or discoloration of soils, pavement, or floors		X		
c. Do you notice distressed (unhealthy, discolored, dead) vegetation		X		
d. Do you see unidentified dark smoke or dustclouds coming from sources		X		
e. Do you notice any unusual odors or strong chemical smells		*X		
f. Do you see any open or unmarked drums, unsecured liquids, or damaged containment facilities		X		

Table "A"

Village of Ashville

Effluent Limitation Violations

5/1/09 - 2/28/10

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
4PC00005*KD	June 2009	001	00530	Total Suspended Solids	30D Conc	22.5	31.1111	6/1/2009
4PC00005*KD	June 2009	001	00530	Total Suspended Solids	7D Conc	34	65.	6/15/2009
4PC00005*KD	June 2009	001	31616	Fecal Coliform	7D Conc	2000	3771.45	6/15/2009
4PC00005*KD	June 2009	581	01003	Arsenic, Total In Slud	1D Conc	75	171.	6/23/2009
4PC00005*KD	June 2009	581	78465	Molybdenum In Sludge	1D Conc	75	133.	6/23/2009
4PC00005*KD	August 2009	001	00530	Total Suspended Solids	30D Conc	22.5	31.375	8/1/2009
4PC00005*KD	August 2009	001	00530	Total Suspended Solids	30D Qty	51.1	71.1977	8/1/2009
4PC00005*KD	August 2009	001	31616	Fecal Coliform	30D Conc	1000	6159.27	8/1/2009
4PC00005*KD	August 2009	001	31616	Fecal Coliform	7D Conc	2000	2016.38	8/1/2009
4PC00005*KD	August 2009	001	00530	Total Suspended Solids	7D Conc	34	45.5	8/15/2009
4PC00005*KD	August 2009	001	00530	Total Suspended Solids	7D Qty	77.2	145.892	8/15/2009
4PC00005*KD	August 2009	001	31616	Fecal Coliform	7D Conc	2000	20199.0	8/15/2009
4PC00005*KD	August 2009	001	31616	Fecal Coliform	7D Conc	2000	18973.6	8/22/2009
4PC00005*KD	September 2009	001	31616	Fecal Coliform	30D Conc	1000	2433.06	9/1/2009
4PC00005*KD	September 2009	001	31616	Fecal Coliform	7D Conc	2000	7000.	9/8/2009
4PC00005*KD	September 2009	001	31616	Fecal Coliform	7D Conc	2000	7000.	9/22/2009
4PC00005*KD	October 2009	001	31616	Fecal Coliform	30D Conc	1000	2026.35	10/1/2009
4PC00005*KD	October 2009	001	31616	Fecal Coliform	7D Conc	2000	5507.35	10/15/2009
4PC00005*KD	October 2009	001	31616	Fecal Coliform	7D Conc	2000	4996.89	10/22/2009
4PC00005*KD	January 2010	001	00530	Total Suspended Solids	7D Qty	77.2	110.870	1/22/2010
4PC00005*KD	January 2010	001	80082	CBOD 5 day	7D Qty	64.7	82.9497	1/22/2010
4PC00005*KD	February 2010	001	00530	Total Suspended Solids	7D Conc	34	37.5	2/8/2010

Table "B"Monitoring Frequency Violations
5/1/09 - 2/28/10

Permit No	Reporting Period	Station	Reporting Code	Parameter	Sample Frequency	Expected	Reported	Violation Date
4PC00005*KD	June 2009	581	70316	Sludge Weight	2/Year	1	0	06/01/2009
4PC00005*KD	June 2009	581	51129	Sludge Fee Weight	2/Year	1	0	06/01/2009
4PC00005*KD	October 2009	001	80082	CBOD 5 day	2/Week	2	1	10/08/2009

Table "C"

Initial Pollution Incident Reports submitted by permittee since the June 3, 2009 inspection:

Spill ID Number	Date Reported	Location	Reason	Remark	5 day follow-up report submitted to OEPA
0908-65-2473//0	8/19/09	67 S. Scioto St.	Rain/Flooding	Plant is being shut down due to flooding.	No
0910-65-3147//0	10/31/09	67 S. Scioto St.	Mother Nature	Sewage discharge due to the plant being flooded. DO contacted Welsh and indicated the plant is under water and will be back on line when the water goes down.	No
1001-65-0174//0	1/25/10	67 S. Scioto St.	Rain/Flooding	Sewage bypass due to rain.	No
1002-65-0387//0	2/24/10	67 S. Scioto St.	Rain/Flooding	Sewage bypass due to snow melt and high flow.	No
1003-65-0436//0	3/1/10	67 S. Scioto St.	Break or Broken	Sewage bypass due to mechanical failure.	No
1003-65-0721//0	3/26/10	67 S. Scioto St.	Rain/Flooding	Sewage bypass due to rain.	No

Follow-up reports must be submitted within 5 days of the date of the telephone report as required in the wastewater discharge permit.

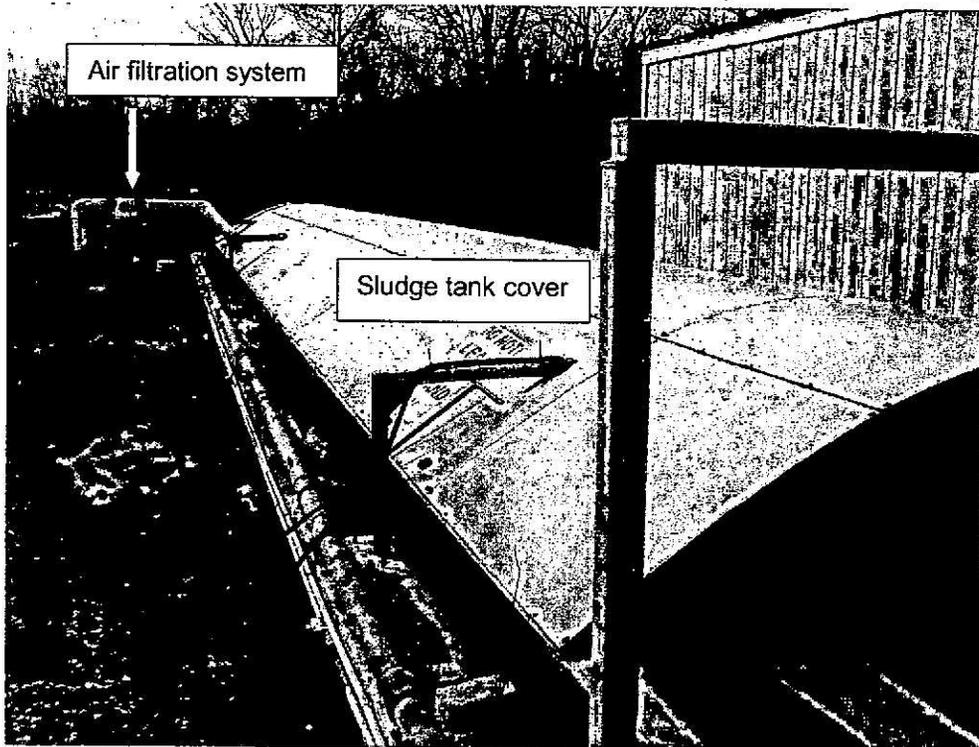


Figure 1. This photograph was taken looking south across the improved cover installed on what is now the aerobic sludge digestion tank at the Ashville WWTP. An air filtration system has been attached to the cover to help minimize odors from this treatment component.

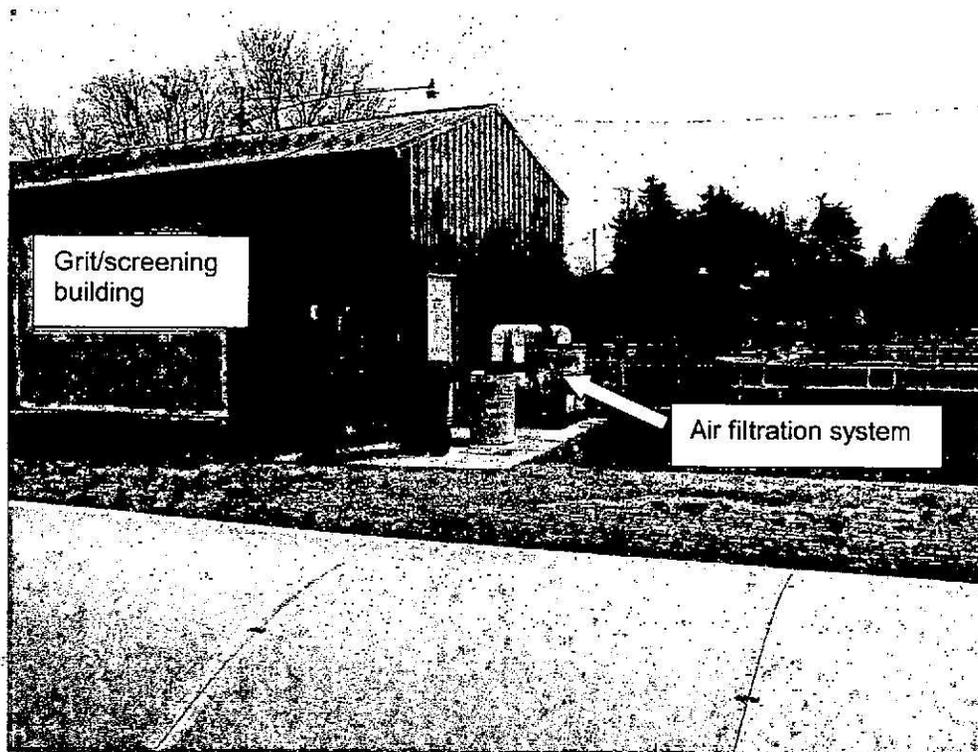


Figure 2. This photograph was taken looking northeast at the Ashville WWTP influent grit/screening building. This building was constructed to enclose and reduce escape of odors from wastewater entering the WWTP. An air filtration system has been attached to the building to help minimize odors from this area.

