



State of Ohio Environmental Protection Agency

**Southeast District Office**

2195 Front Street  
Logan, Ohio 43138

TELE: (740) 385-8501 FAX: (740) 385-6490  
www.epa.state.oh.us

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

November 17, 2009

**Re: Ross County  
Ross County Water Co., Inc.  
Compliance Inspection  
Correspondence (PWW)**

Mr. Ed Adams, Plant Superintendent  
Ross County Water Co., Inc.  
663 Fairgrounds Road  
Chillicothe, Ohio 45601

Dear Mr. Adams:

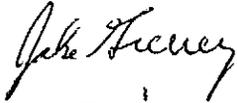
On November 5, 2009, I conducted a Compliance Evaluation Inspection (CEI) of the Ross County Water Treatment Plant #1 located on Fairgrounds Road, as well as Plant #2 located on S.R. 104. The purpose of these inspections was to determine compliance with the terms and conditions of National Pollutant Discharge Elimination System (NPDES) Permit Numbers 0IZ00033\*DD and 0IX00052\*BD. A prior review of your Monthly Operating Reports (MOR) from September through October 2009 revealed no permit violations for either facility.

The inspection conducted at the south plant near the fairgrounds found the filter beds to be well maintained and any generated sludge properly stored and disposed of. All treatment units for the filter backwash as well as the softener backwash were well maintained and properly operated to provide effective treatment. The inspection at the North Plant also found all treatment units to be fully operable and well maintained.

Upon discussion with Mr. Adams, it was revealed that effluent concentrations of Total Dissolved Solids (TDS) are consistently greater than 4000 mg/l at the North Plant. Although there are currently no permit limits for TDS, efforts should be taken to mix the softener backwash directly with the filter backwash in the large holding tank. Due to the capacity of the holding tank, longer retention times, and the dilution factor, a decrease in TDS concentrations should occur. The current design where all brine water drains into a holding tank which is then pumped directly into the discharge pipe and combined with leachate from the sand filters could generate a higher ratio of brine to filter backwash. Upon discussion with Mr. Adams, it was agreed that a minor plumbing change could be made in the plant to create the flexibility to combine the waste streams and drain both into the large holding tank.

Attached to this letter are the CEI forms for both facilities with detailed information regarding my inspections. If you have any questions regarding these inspections, please call me at (740) 380-5416.

Sincerely,



Jake Greuey  
District Site Representative  
Division of Surface Water

JJG/mlm

Enclosure

**NPDES  
Compliance Inspection Report**

**A. NATIONAL DATA SYSTEM CODING**

Permit No.	NPDES No.	Date	Inspection Type	Inspector	Facility Type
0IX00052*AD	0H0127949	November 5, 2009	C	S	2

**B. FACILITY DATA**

Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Ross County Water Co., Inc. Plant #2 (North) S.R. 104 Chillicothe, Ohio	2:08 p.m.	February 1, 2007
	Exit Time	Permit Expiration Date
	2:55 p.m.	January 31, 2012

Name(s) and Title(s) of On-Site Representative(s)	Phone Number(s)
Ed Adams, Superintendent	(740) 774-4117
Name, Address and Title of Responsible Official	Phone Number
Ed Adams, Superintendent Ross County Water Co., Inc. 663 Fairgrounds Road Chillicothe, Ohio 45601	

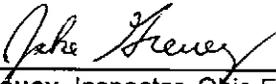
**C. AREAS EVALUATED DURING INSPECTION**

<u>S</u> Permit	<u>S</u> Flow Measurement	<u>N/A</u> Pretreatment
<u>S</u> Records/Reports	<u>*</u> Laboratory	<u>N/A</u> Compliance Schedules
<u>S</u> Operations & Maintenance	<u>S</u> Effluent/Receiving Waters	<u>S</u> Self-Monitoring Program
<u>S</u> Facility Site Review	<u>S</u> Sludge Storage/Disposal	<u>    </u> Other
<u>N/A</u> Collection System		

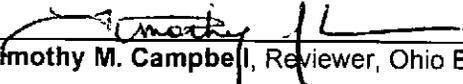
(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

**D. SUMMARY OF FINDINGS/COMMENTS**(attach additional sheets if necessary)

\* Contract laboratory used and not evaluated  
See attached letter.

  
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Jake Greuey, Inspector, Ohio EPA, Southeast District Office

11/17/09  
\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Timothy M. Campbell, Reviewer, Ohio EPA, Southeast District Office

11/17/09  
\_\_\_\_\_  
Date