



State of Ohio Environmental Protection Agency

**Southeast District Office**

2195 Front Street  
Logan, Ohio 43138

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

October 6, 2010

**Re:** Tuscarawas County  
Twin City WTP  
Compliance Evaluation Inspection  
Correspondence (IWW)

Mr. John O'Hara, President of the Board  
Twin City Water and Sewer District  
308 grant Street  
Dennison, Ohio 44621

Dear Mr. O'Hara:

On September 22, 2010, I conducted a compliance evaluation inspection at the Twin City Water and Sewer District's Water Treatment Plant (WTP). The purpose of the inspection was to determine compliance with the terms and conditions of National Pollutant Discharge Elimination System (NPDES) Permit Number OIV00100\*DD. Mr. Brett Long was present during the inspection. My inspection findings are summarized below.

The current water treatment system consists of a surface water supply with a 4.0 MG off stream reservoir, two rapid mix basins, two clarifiers, three rapid sand filters and two clear wells. Chemical addition includes potassium permanganate, alum, lime, polymer and chlorination. Clarifier sludge is wasted to pond 002 where it is allowed to settle and the supernatant is discharged to Stillwater Creek. Filter backwash is discharged into pond 001 where solids are allowed to settle and the supernatant is also discharged to Stillwater Creek. At the time of my inspection, there was no discharge. No effluent samples were collected during the inspection.

At the time of my inspection, ponds 001 and 002 were full of sludge. In addition, pond 003 was being used for sludge handling. This pond had a substantial amount of cattails. Please be aware Part III, Item 3. A of your permit states "At all times, the permittee shall maintain in good working order and operate as efficiently as possible all treatment or control facilities or systems installed or used by the permittee necessary to achieve compliance with the terms and conditions of this permit. Please inform this office when these lagoons will be cleaned.

My May 18, 2006 letter noted the flow rates at outfalls 001 and 002 are estimated rather than measured. I understand the sewer district has installed flow meters, however, the units measure the flow going into the lagoons rather than what is discharged from the lagoons. On May 25, 2006 via a telephone conversation with Mr. Rypien, I informed

him he should be able to calculate the flow rate if he knows how much the ponds are lowered and the surface area of the ponds. Then the calculated flow rate could be compared with the flow meter readings. Please inform this office how the sewer district is determining flow rates.

I understand the sewer district will be constructing a new water treatment plant near Claymont High School in the next few years. Test holes have been dug to determine ground water quality in this area. I was informed ground water in this area may require some treatment. I understand the sewer district would like to discharge any backwash waters to the sanitary sewer. Once the new water treatment plant is built, it will be necessary to clean out the existing sludge lagoons and determine the long term plan for these treatment units. Please keep this office informed of your progress with the new water plant.

The NPDES permit for the facility expires on June 30, 2011. A renewal application is due no later than January 1, 2011. Please be aware Ohio Administrative Code 3745-33-03(B) states "If a permit renewal application is submitted at least one hundred eighty days prior to the expiration date of the existing permit, and the director does not issue a new permit before the expiration date, the conditions of the expired permit shall continue in force until the director acts on the permit application."

Marginal and unsatisfactory ratings were given due to the issues mentioned in this letter. A copy of our completed inspection report is enclosed. Please submit a written response to the aforementioned comments within thirty (30) days of receipt of this letter. The assistance and cooperation received during the inspection are appreciated. If you have any questions, please contact me at (740) 380-5206.

Sincerely,



Jennifer M. Witte  
Chemical Engineer – Environmental Specialist II  
Division of Surface Water

JMW/dh

Enclosure

c: Brett Long, Water Treatment Plant Supervisor, twin City Water and Sewer District  
c: John Rypien, Superintendent, Twin City Water and Sewer District

# NPDES Compliance Inspection Report

## A. NATIONAL DATA SYSTEM CODING

Permit No.	NPDES No.	Date	Inspection Type	Inspector	Facility Type
0IV00100*DD	OH0029815	Sept. 22, 2010	C	S	2

## B. FACILITY DATA

Name & Location of Facility Inspected	Entry Time	Permit Effective Date
Twin City WTP 6877 Waterworks Road SE Uhrichsville, Ohio 44683	1:10 pm	July 1, 2006
	Exit Time	Permit Expiration Date
	1:45 pm	June 30, 2011

Name(s) & Title(s) of On-Site Representative(s)	Phone Number(s)
Brett Long, Water Treatment Plant Supervisor	(740) 922-2082
Name, Address, & Title of Responsible Official	Phone Number
John O'Hara, President of the Board Twin City Water and Sewer District 308 Grant Street Dennison, Ohio 44621	(740) 922-1460

## C. AREAS EVALUATED DURING INSPECTION

<u>S</u> Permit	<u>M</u> Flow Measurement	<u>N/A</u> Pretreatment
<u>S</u> Records/Reports	<u>S</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>U</u> Sludge Storage/Disposal	<u>    </u> Other
<u>N/A</u> Collection System		

(S = Satisfactory; M = Marginal; U = Unsatisfactory; N = Not Evaluated; N/A = Not Applicable)

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

See attached letter.

Jennifer M. Witte  
Jennifer M. Witte, Inspector, Ohio EPA, Southeast District Office

10/6/10  
Date

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

10/7/10  
Date