



**Environmental
Protection Agency**

John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

June 30, 2011

Tom Welbaum, Village Administrator
Village of Ansonia
P.O. Box 607
Ansonia, OH 45303

**RE: Compliance Evaluation Inspection (CEI)
Village of Ansonia Wastewater Treatment System
NPDES Permit # 1PB00005*KD/OH0023884**

Mr. Welbaum,

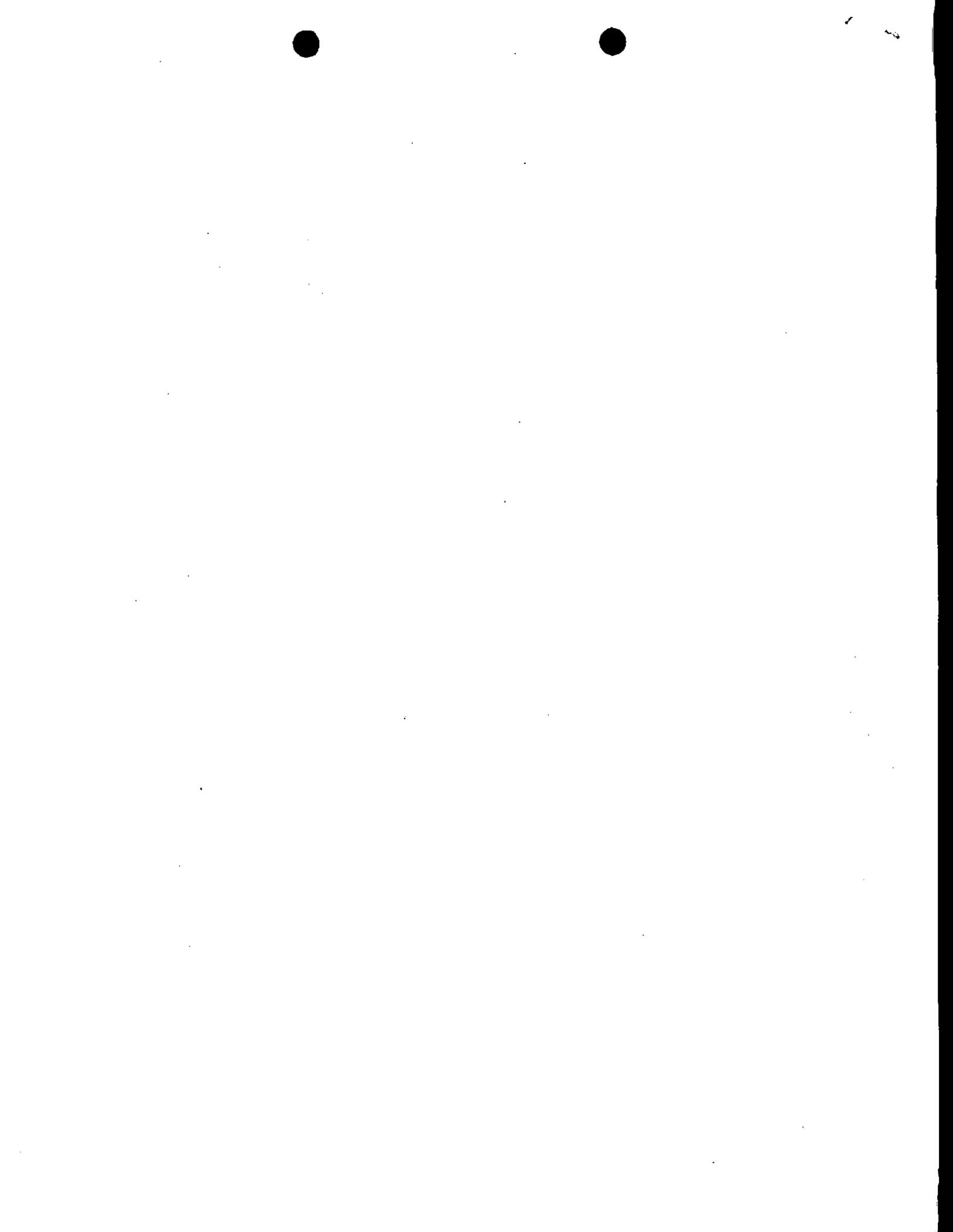
On June 28, 2011, I reviewed the Ansonia wastewater laboratory. On May 20, 2011, I met with you and Don Demange, Public Works Director, in order to review compliance of the wastewater treatment facility and collection system. A detailed inspection report is attached. Overall the facility was rated as "Marginal".

A response to this inspection report is requested. Provide a response to the items listed under the heading "Items Requiring a Response by **July 29, 2011**. Should you have any questions, I can be reached at (937) 285-6109 or joe.miller@epa.state.oh.us.

Sincerely,

Joe Miller
Division of Surface Water

ec: Darke County Health Department
Mike Henderson, Mote and Associates



**Village of Ansonia Wastewater Treatment Facility
Compliance Evaluation Inspection (CEI)
May 20, 2011 and June 28, 2011**

Overview

The Village of Ansonia's collection system was formerly a 100% combined sewer system. Following the completion of sewer separation projects, the system is now approximately 95% separated. The remaining work towards separately the collection system will be part of an upcoming Permit to Install (PTI), with completion of construction expected July 2012. This date is beyond the original compliance date; however, the Village requested an extension prior to the original end compliance date.

Combined sewer overflow outfalls 010, 011, and 012 have been eliminated as part of a recently completed ARRA project. The remaining combined sewer overflows are expected to be eliminated with completion of the upcoming project.

The Village operates a facultative two-cell lagoon treatment system that discharges to the Stillwater River at the confluence with the North Fork of the Stillwater River. The average daily design flow (ADDF) for the wastewater facility is 0.35 MGD. The flow meter has been out of service therefore an accurate flow measurement for the last year is not available.

The Village intends to submit a PTI for the installation of lagoon transfer structures to help draw from clear zones and allow flexibility in discharge with respect to water column depth. The PTI is expected to include a new flow meter and sanitary sewer line for the High Street area. Currently, the operator has limited ability to change the depth of discharge, which often results in the bright green algal discharge noted in the past.

Effluent Violations

The Ansonia wastewater treatment lagoons have historically had difficulty meeting the water quality standard effluent pH limitation of 9 significant units (pH is required to be between 6.5 and 9.0 S.U.). The final effluent discharge has been in Significant Non-Compliance (SNC) with regards to this limitation. As discussed in previous inspection reports, this issue needs to be addressed. Effluent limitation violations are listed for the period of February 2010 to May 2011.

Two solar bee aerators have been installed, one in each of the treatment lagoons. The dates of installation were September 2007 and April 2009.

Non-compliance notification has not been consistently provided as per Part III, Item 12 of the NPDES permit.



Total Phosphorus Limitation

A Schedule of Compliance in your NPDES permit requires this facility to meet a total phosphorus limitation of 1.0 mg/l by January 1, 2011. A Permit to Install (PTI) for any improvements necessary to meet this limitation was due by January 1, 2009. A request was received to extend the end compliance date for compliance with the final effluent Total Phosphorus limitation to January 1, 1013.

Laboratory Criteria

See attached.

ITEMS REQUIRING A RESPONSE

- 1. Permit(s) to Install** – Submit the Permit(s) to Install for wastewater improvements. Expected components include the lagoon transfer structure modification, flow metering, and completion of combined sewer separation.
- 2. Total Phosphorus** – Provide an update on meeting the final total phosphorus limitation.
- 3. Laboratory Improvements** – Provide notification when thermometers have been obtained for the sample holding refrigerator and composite sampling refrigerator.

