



**Environmental
Protection Agency**

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

Re: Richland County
Village of Plymouth WWTP
NPDES Permit

March 14, 2012

Mr. Bill Sexton, Administrator
Village of Plymouth
48 West Broadway
Plymouth, Ohio 44865

Dear Mr. Sexton:

On February 23, 2012, an inspection was made of the Village of Plymouth wastewater treatment plant (WWTP). Mr. Wayne Baker was present during the inspection to answer any questions. The new treatment plant was online and functioning normally. A very clear discharge was observed from the treatment plant. No major concerns were noted with the treatment plant operations. Mr. Baker stated the plant continues to perform well and the staff has continued excellent work in familiarizing themselves with the new equipment.

During the inspection, we discussed the need for Mr. Baker and the other operators to keep a log book of the attendance and activities at the treatment plant. I have enclosed an excerpt from Ohio Administrative Code section that deals with the operator log. Much of the necessary information is already being kept as maintenance logs for the individual equipment and no changes need to be made regarding this. The most important missing information is the date and times of arrival and departure for the operators. I suggested that a clipboard be placed next to the laboratory door so it is convenient to record this information. It is a violation of the terms of your NPDES permit not to keep this information.

On January 27, 2012, our office received notification that Mr. Adam Beverly resigned from the Village. Mr. Beverly was working to obtain his Class II Operator's license and was to fulfill the requirement of the Operator of Record. You requested guidance on interim measures in order to meet the staffing requirements of the WWTP. Our office has previously granted the Village until December 2012 to have a Class II operator fulfilling the necessary 20 hour/week onsite staffing requirement. We still consider this an acceptable deadline.

In the interim, we agree that Mr. Baker may satisfy the 20 hour/week staffing requirement; however, the Village will need to contract with a Class II operator to PIN the monthly DMRs and be the operator of record. At a minimum, the Class II operator shall be onsite 1.5 hours a week. Beginning January 1, 2013, the Village will need to have a Class II operator as the operator of record onsite for 20 hours/week. The interim

Mr. Bill Sexton
March 14, 2012
Page Two

Class II operator shall be meeting the 1.5 hour requirement no later than April 1, 2012. The Village is reminded that an Operator of Record notification form must be submitted to our office within three days of a change in the operator of record. A copy of this form can be found on our website at the following address:

www.epa.ohio.gov/portals/28/documents/opcert/Operator_of_Record_Notification_Form.pdf

A review of the discharge monitoring reports (DMR) submitted to our office for May 2011 through January 2012 revealed several **violations** of the limits contained in your National Pollutant Discharge Elimination System (NPDES) permit. A printout of these **violations** is included for your review. The majority of these violations occurred soon after the plant was placed into service.

During the DMR review, it was observed that every pH sample result recorded between May 1, 2011, and January 31, 2012, was 7.5 S.U. This value will normally vary around the 7.0 range. The meter should be checked for proper operation.

If you have any questions, please call me at 419-373-3070.

Sincerely,



Walter Ariss, P.E.
Environmental Specialist II
Division of Surface Water

/jlm

Enclosures

ec: Inspection Tracking

Plymouth WWTP 2-23-2012
VISUAL OBSERVATION - UNIT PROCESS

RATING CODES: S = Satisfactory; U = Unsatisfactory; M = Marginal; IN = In Operation; OUT = Out of Operation

CONDITION OR APPEARANCE		RATING	COMMENTS
General	Grounds	S	
	Buildings	S	
	Potable Water Supply Protection	-	
	Safety Features	S	
	Laboratory	S	Check pH meter for proper operation. All effluent pH values are 7.5 S.U.
	Alternate Power Source	OUT	Generator exercised regularly
	Maintenance of Collection Systems	M	Large amounts of I/I. Willow Drive area still combined.
Preliminary	Influent Pump Station	IN	3 suction lift pumps, one in use. VFD drives.
	Ventilation	S	
	Mechanical Bar Screen	IN	1 Mechanical
	Disposal of Screenings	S	Landfill, One container full every week
	Vortex valve	S	
	EQ Lagoon	IN	Lagoon has several feet of freeboard. Currently bringing flow back to the plant.
Secondary	Sequencing Batch Reactors	IN	Both tanks in service
	SBR blowers	OUT	3 blowers; one tank in fill cycle, other was in decant
	SBR mixers	IN	Mix flow within tanks
	Post Aeration	IN	Tank very clear
Sludge Disposal	Aerated holding ponds	IN	Both ponds in use/ nothing hauled out in 2011
	Sludge decant pump station	OUT	Currently not decanting
	Sludge Pumps	OUT	One pump in each SBR, wastes after each SBR cycle
	Disposal of Sludge	S	Land applied
	Sludge holding blowers	IN	One in use/ one standby
Other	Flow Meter and Recorder	IN	
	Records	S	
	Process Controls	S	Operator performing daily settleometer tests
Disinfection	Effluent	S	
	UV Disinfection System	OUT	Bulbs stored in operations building.

3745-7-09 Recordkeeping requirements and responsibilities of a certified operator.

- (A) The owner and operator of record of a public water system, treatment works or sewerage system shall maintain or cause to be maintained operation and maintenance records for each public water system, distribution system, water treatment plant within a public water system, sewerage system, treatment works, or wastewater treatment facility within a treatment works. Some of the formats in which the records may be maintained include, but are not limited to, hard bound books with consecutive page numbering, time cards, separate operation and maintenance records, or well organized computer logs.
- (1) The records shall be housed and maintained in such a manner as to be protected from weather damage and guarantee the authenticity and accuracy of the records contained within.
 - (2) The records shall be accessible onsite for twenty-four hour inspection by agency or emergency response personnel.
 - (3) At a minimum, the following information shall be recorded:
 - (a) Identification of the public water system, sewerage system, or treatment works;
 - (b) Date and times of arrival and departure for the operator of record and any other operator required by this chapter;
 - (c) Specific operation and maintenance activities that affect or have the potential to affect the quality or quantity of sewage or water conveyed, effluent or water produced;
 - (d) Results of tests performed and samples taken, unless documented on a laboratory sheet;
 - (e) Performance of preventative maintenance and repairs or requests for repair of the equipment that affect or have the potential to affect the quality or quantity of sewage or water conveyed, effluent or water produced; and
 - (f) Identification of the persons making entries.
 - (4) The records shall be kept up to date, contain a minimum of the previous three months of data at all times, and be maintained for at least three years.
- (B) A certified operator shall:
- (1) Perform their duties in a responsible and professional manner consistent with standard operating procedures and best management practices;
 - (2) Operate and maintain public water systems, sewerage systems, treatment works, and appurtenances so as not to endanger the health or safety of persons working

Get New Data		Plymouth WWTP NPDES permit limit violations May 2011 through January 2012						
Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PB00014*GD	May 2011	001	00530	Total Suspended Solids	30D Conc	12.0	14.25	5/1/2011
2PB00014*GD	May 2011	001	00530	Total Suspended Solids	30D Qty	20.5	42.5438	5/1/2011
2PB00014*GD	May 2011	001	80082	CBOD 5 day	30D Qty	17.1	21.7659	5/1/2011
2PB00014*GD	May 2011	001	00530	Total Suspended Solids	7D Qty	30.7	49.9317	5/8/2011
2PB00014*GD	May 2011	001	80082	CBOD 5 day	7D Qty	25.6	28.7625	5/8/2011
2PB00014*GD	May 2011	001	00530	Total Suspended Solids	7D Qty	30.7	44.5608	5/15/2011
2PB00014*GD	May 2011	001	00530	Total Suspended Solids	7D Conc	18.0	23.5	5/22/2011
2PB00014*GD	May 2011	001	00530	Total Suspended Solids	7D Qty	30.7	70.9327	5/22/2011
2PB00014*GD	June 2011	001	00530	Total Suspended Solids	7D Qty	30.7	44.0479	6/1/2011
2PB00014*GD	October 2011	001	00530	Total Suspended Solids	7D Conc	18.0	22.	10/15/2011
2PB00014*GD	October 2011	001	00530	Total Suspended Solids	7D Qty	30.7	46.6255	10/15/2011