



**Environmental
Protection Agency**

Ted Strickland, Governor
Lee Fisher, Lt. Governor
Chris Korleski, Director

Re: Richland County
Village of Shiloh WWTP
NPDES Permit

August 17, 2010

Mr. Bruce Wiser, Village Administrator
Village of Shiloh
P.O. Box 242
Shiloh, OH 44878

Dear Mr. Wiser:

On August 4, 2010, an inspection was made of the wastewater treatment facilities serving the Village of Shiloh, located at the intersection of Euclid and Noble Road, Shiloh, Richland County. You were present to provide a tour and answer any questions. At the time of the inspection all major treatment units were in operation. A clear final effluent was being discharged to the receiving stream.

A check valve had been installed in the discharge line of the influent dry well sump pump as requested during our previous inspection. During the inspection we discussed the continued chlorine residual and fecal coliform violations. You indicated that a recent dye test showed a contact time of only seven minutes within the chlorine contact tank. Ten States Standards requires a minimum of 15 minutes of contact time in order to achieve a proper bacteria kill using chlorine. It was observed that the flow within the chlorine tank appears to be short circuiting. The flow path through the tank should be checked by pumping out the tank and making certain that the proper baffle arrangement is present within the tank. If the proper baffling is present and the contact time cannot be improved it may be necessary to add additional tank capacity.

Since February 2010 an overflow of the nitrification tower pumping station has occurred twice and four overflows through the SSOs have occurred. The Village needs to continue to identify and remove sources of I/I with the goal of eliminating the overflows by the required date of January 1, 2014.

A review of the discharge monitoring reports submitted to our office for the months of February through June 2010 revealed several **violations** of the limits contained in your NPDES permit. A printout of these **violations** has been enclosed for your review. All of the violations were for exceeding either the fecal coliform or the residual chlorine limit. The investigation of the chlorine contact time should be completed **within 30 days of the date of this letter**. You shall contact our office with the results of the investigation.

Mr. Bruce Wiser
August 17, 2010
Page Two

The Village is also in **violation** of the NPDES permit for failure to submit a Mercury variance application as required by the schedule of compliance contained in the permit. This application was to have been submitted no later than May 1, 2010. You stated that the application is almost complete and will be submitted in the near future.

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

Sincerely,



Walter Ariss
Environmental Specialist II
Division of Surface Water

/lb

Enclosure

pc: ~~NWDC-DSWfile~~
Mayor and Council, Village of Shiloh

F. GUIDE - VISUAL OBSERVATION - UNIT PROCESS

Form Approved
OMB No. 158-R0035

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	
	Bypasses	OUT	At nitrification tower pump station
	Stormwater Overflows	OUT	At SR 603 and bridge and pond at head of WWTP
Preliminary	Maintenance of Collection Systems	M	Currently working an manhole rehab project
	Pump Station	IN	Check valve added on dry well sump
	Ventilation	S	
	Bar Screen	IN	Screen needs to be replaced, several bars are missing
	Disposal of Screenings	S	Landfill
Primary	Imhoff Tank	IN	
	Scum Removal	S	
	Sludge Removal	S	Goes to sludge drying beds
	Effluent	S	
Sludge Disposal	Sludge drying beds	IN	
	Disposal of Sludge	S	Land applied
Other	Flow Meter and Recorder	IN	
	Records	S	
Secondary-Tertiary <small>List items as</small>	Rock Media filter	IN	Okay
	Intermediate settling	IN	Good clarity
	Nitrification tower	IN	
	Secondary clarifier	IN	Good clarity
	Nitrification tower pump station	IN	
	Nitrification recirculation pump station	IN	
Disinfection	Effluent	S	
	Disinfection System	IN	chlorine liquid
	Effective Dosage	S	
	Contact Time	U	Need to check baffling within the tank
	Contact Tank	IN	
	Dechlorination	IN	Liquid
	Post Aeration	IN	

Get New Data

Shiloh WWTP NPDES permit limit violations February through June 2010

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PB00017*ED	May 2010	001	31616	Fecal Coliform	30D Conc	1000	5850.02	5/1/2010
2PB00017*ED	May 2010	001	31616	Fecal Coliform	7D Conc	2000	6000.	5/1/2010
2PB00017*ED	May 2010	001	50060	Chlorine, Total Residu	1D Conc	0.019	.05	5/4/2010
2PB00017*ED	May 2010	001	31616	Fecal Coliform	7D Conc	2000	16000.	5/8/2010
2PB00017*ED	May 2010	001	50060	Chlorine, Total Residu	1D Conc	0.019	.05	5/8/2010
2PB00017*ED	May 2010	001	50060	Chlorine, Total Residu	1D Conc	0.019	.2	5/13/2010
2PB00017*ED	May 2010	001	50060	Chlorine, Total Residu	1D Conc	0.019	.18	5/14/2010
2PB00017*ED	May 2010	001	31616	Fecal Coliform	7D Conc	2000	2000.	5/15/2010
2PB00017*ED	May 2010	001	50060	Chlorine, Total Residu	1D Conc	0.019	.17	5/15/2010
2PB00017*ED	May 2010	001	50060	Chlorine, Total Residu	1D Conc	0.019	.09	5/21/2010
2PB00017*ED	May 2010	001	31616	Fecal Coliform	7D Conc	2000	6100.	5/22/2010
2PB00017*ED	May 2010	001	50060	Chlorine, Total Residu	1D Conc	0.019	.09	5/22/2010
2PB00017*ED	May 2010	001	50060	Chlorine, Total Residu	1D Conc	0.019	.05	5/23/2010
2PB00017*ED	May 2010	001	50060	Chlorine, Total Residu	1D Conc	0.019	.1	5/24/2010
2PB00017*ED	May 2010	001	50060	Chlorine, Total Residu	1D Conc	0.019	.09	5/25/2010
2PB00017*ED	May 2010	001	50060	Chlorine, Total Residu	1D Conc	0.019	.06	5/28/2010
2PB00017*ED	June 2010	001	50060	Chlorine, Total Residu	1D Conc	0.019	.1	6/12/2010
2PB00017*ED	June 2010	001	50060	Chlorine, Total Residu	1D Conc	0.019	.05	6/15/2010
2PB00017*ED	June 2010	001	50060	Chlorine, Total Residu	1D Conc	0.019	.05	6/16/2010
2PB00017*ED	June 2010	001	50060	Chlorine, Total Residu	1D Conc	0.019	.05	6/22/2010
2PB00017*ED	June 2010	001	50060	Chlorine, Total Residu	1D Conc	0.019	.4	6/23/2010
2PB00017*ED	June 2010	001	50060	Chlorine, Total Residu	1D Conc	0.019	.2	6/25/2010
2PB00017*ED	June 2010	001	50060	Chlorine, Total Residu	1D Conc	0.019	.2	6/26/2010