



State of Ohio Environmental Protection Agency

**Northwest District Office**

347 North Dunbridge Rd.  
Bowling Green, OH 43402-9398

TELE: (419) 352-8461 FAX: (419) 352-8468  
www.epa.state.oh.us

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

Re: Richland County  
Village of Shiloh WWTP  
NPDES Permit

July 9, 2009

Mr. Rick Reeder, Village Administrator  
Village of Shiloh  
P.O. Box 242  
Shiloh, Ohio 44878

Dear Mr. Reeder:

On June 18, 2009, 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.

During the inspection we discussed the new post aeration blower that is currently being installed. This blower should help elevate the dissolved oxygen content in the effluent as well as provide additional mixing of the liquid chlorine application.

The second pump in the tertiary tower lift station had been replaced and is ready for service. Included in the recently renewed NPDES permit is a monitoring station for the overflow pipe from the tertiary pumping station that goes directly to the chlorine contact tank. During our previous inspection, we discussed installing an additional float in this station that would activate when the level in the pumping station wet well reaches the overflow pipe invert. This would be an acceptable way to monitor the overflow occurrences. This work has not yet been completed. You indicated that you would discuss the new float with Lonnie McGhee, your certified operator.

Also included in the renewed NPDES permit is a compliance schedule to eliminate the overflows at the WWTP and the Petit Street lift station. The first milestone in the schedule is to submit an Inflow and Infiltration reduction plan no later than November 2011. Our office is aware that the Village has applied for and will be receiving funds from the American Recovery and Reinvestment Act (ARRA) for manhole rehabilitation. Mr. Reeder indicated that K.E. McCartney and Associates is in the process of inspecting all the manholes in the Village and compiling a report with the needed repairs. A copy of this report should be sent to our office once it is available.

Mr. Rick Reeder, Village Administrator  
July 9, 2009  
Page 2

A review of the discharge monitoring reports submitted to our office for the months of November 2008, through May 2009, revealed three **violations** of the limits contained in your NPDES permit. Two of these violations were for exceeding the fecal coliform limit in May 2009. You indicated that the chlorine dosing line had recently been replaced in order to prevent any future chlorine violations.

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

Sincerely,



Walter Ariss  
Environmental Specialist II  
Division of Surface Water  
/lir

Enclosure

pc: (DSW-NWDO File...)  
Mayor and Council, Village of Shiloh  
Lonnie McGhee, McGhee's Technical Water Services w/enclosure

**OPERATION AND MAINTENANCE INSPECTOR**  
0.025 to 1.0 MGD

Facility Name Village of Shiloh WWTP Application No. OH  
 Ohio Permit No. 2PR00017  
 Facility Address Noble Rd Date 6/18/09 Time 11:30 am  
 City Shiloh County Richland Township \_\_\_\_\_  
 Name and Address of Owner \_\_\_\_\_ Phone \_\_\_\_\_  
 Person Contacted Rick Reeder Phone \_\_\_\_\_  
 Flow: Design 120,000 GPD Present 80,000-300,000 GPD (metered - estimated)  
 Trib. Pop. \_\_\_\_\_ (actual-estimated) Weather at time of inspection 74° sunny  
 OEPA Personnel Walter Ariss District NW00

STORET I.D. No. 39 \_\_\_\_\_

NOTATIONS BY EVALUATOR							
1. OPERATION AND MAINTENANCE PROBLEMS DEFICIENCIES							
CHECK EACH OF THE FOLLOWING ITEMS IN TERMS OF THEIR ESTIMATED ADVERSE EFFECTS ON THE PERFORMANCE OF THE PLANT							
ITEM	MAJOR	MINOR	NONE	ITEM	MAJOR	MINOR	NONE
STAFF COMPLEMENT				OVERLOADS (type)			
PERSONNEL TRAINING				HYDRAULIC	<u>AA</u>		
OPERATOR BUDGET				PERIODIC	<u>AA</u>		
LABORATORY CONTROL				CONTINUOUS			
INSTRUMENTATION				ORGANIC			
INDUSTRIAL WASTE				PERIODIC			
PLANT OBSOLESCENCE				CONTINUOUS			
EQUIPMENT FAILURE:				OVERLOAD CAUSES:			
TREATMENT PROCESSES				INFILTRATION	<u>X</u>		
SLUDGE HANDLING AND PROCESSING				COMBINED SEWERS			
				INDUSTRIAL GROWTH			
EQUIPMENT MAINTENANCE				RAPID POPULATION GROWTH			
SPARE PARTS INVENTORY				INCREASED SERVICE AREA			
POWER FAILURE				OTHER:			
				OTHER:			

2. PLANT PERSONNEL INVENTORY - <u>not evaluated</u>								
(a.) PERSONNEL CLASSIFICATION	(b.) EMPLOYMENT				(c.) CERTIFICATION		TRAINING REQUIRED NEXT 12 MONTHS	
	ACTUAL		NUMBER BUDGETED	NO. RECOMMENDED	VOLUNTARY	ACTUAL NO. CERTIFIED	NEW HIRES	UPGRADE (Promotion or skill improvement)
	MANHOURS PER WEEK	NUMBER			MANDATORY			
1. MANAGEMENT SUPERVISOR								
2. OPERATOR								
3. LABORATORY								
4. MAINTENANCE								
5. OTHER PLANT WORKERS								
6. OTHER OFFICE WORKERS								
7. TOTAL								

3. PURPOSE OF INSPECTION				4. GENERAL RATING			
<input type="checkbox"/> GRANT COMPLIANCE		<input type="checkbox"/> FOLLOW-UP		ACCEPTABLE		<u>X</u>	
<input checked="" type="checkbox"/> PERMIT COMPLIANCE		<input type="checkbox"/> OTHER:		CONDITIONAL ACCEPTANCE			
UNACCEPTABLE							
EVALUATION PERFORMED BY		TITLE		ORGANIZATION		DATE	
<u>Walter Ariss</u>		<u>ES II</u>		<u>Ohio EPA</u>		<u>6/18/09</u>	
INFORMATION FURNISHED BY		TITLE		ORGANIZATION		DATE	
<u>Rick Reeder</u>		<u>Village Administrator</u>		<u>Shiloh</u>		<u>6/18/09</u>	

GUIDE - VISUAL OBSERVATION - UNIT PROCESS

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

NE = not evaluated

CONDITION OR APPEARANCE		RATING	COMMENTS
GENERAL	GROUNDS	S	
	BUILDINGS	S	
	POTABLE WATER SUPPLY PROTECTION	NE	
	SAFETY FEATURES	S	
	BYPASSES	Out	at WWTP + Pot't St. lift station
	STORMWATER OVERFLOWS	Out	
PRELIMINARY	MAINTENANCE OF COLLECTION SYSTEMS	S	
	PUMP STATION	In	Ride stable, he would have Dave's clean it out this summer
	VENTILATION	-	
	BAR SCREEN	In	Need to get new bar screen - several bars rusting through
	DISPOSAL OF SCREENINGS	S	
	COMMINUTOR	-	
	GRIT CHAMBER	-	
PRIMARY	DISPOSAL OF GRIT	-	
	SETTLING TANKS - <i>Zachett</i>	In	
	SCUM REMOVAL	S	
	SLUDGE REMOVAL	S	
SLUDGE DISPOSAL	EFFLUENT	S	
	DIGESTERS	-	
	TEMPERATURE AND PH	-	
	GAS PRODUCTION	-	
	HEATING EQUIPMENT	-	
	SLUDGE PUMPS	-	
	DRYING BEDS	S	Should probably haul out end of this year or early next
	VACUUM FILTER	-	
OTHER	INCINERATION	-	
	DISPOSAL OF SLUDGE	S	land application
	FLOW METER AND RECORDER	S	recently replaced recorder + totalizer
SECONDARY-TERTIARY (LIST ITEMS AS REQUIRED)	RECORDS	S	
	LAB CONTROLS		
	Rock media filter	In	looks good
	intermediate settling	In	
	Nitrification tower	In	
CHLORINE	Secondary clarifier	In	very good clarity
	Nitrification pump station	In	
	Nitrification recirculation station	Out	Seal gasket needs replaced
CHLORINE	EFFLUENT	S	
	CHLORINATORS	In	
	EFFECTIVE DOSAGE	NE	
	CONTACT TIME	NE	
	CONTACT TANK	S	
	<i>Chlorination</i>	In	
<i>Post Aeration</i>	Out	working on getting diffusers installed	

ANNUAL BUDGET FOR MAINTAINING AND OPERATING PLANT

SALARIES & WAGES	ELECTRICITY	CHEMICALS	MAINTENANCE	STAFFING & TRAINING	OTHER	TOTAL