



State of Ohio Environmental Protection Agency

Northwest District Office

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

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

Re: Ottawa County
Village of Put-In-Bay
NPDES Permit

September 2, 2009

Mr. Doug Knauer, Village Administer
Village of Put-in-Bay
P.O. Box 481
Put-in-Bay, Ohio 43456

Dear Mr. Knauer:

On August 11, 2009, a brief inspection was made of the wastewater treatment plant serving the Village. Mike Mewhorter, Operator, was also present and provided information on facility operations. At the time of my visit, both batch reactors were in service, and operating at peak capacity. A very clear final effluent was observed in the chlorine contact tank prior to being discharged.

Construction of the plant upgrade is now approximately 30 percent complete. The 3rd SBR tank has been poured and is projected to be available in September when rehabilitation of one of the existing SBR units is scheduled. The new ultraviolet channel is complete as well as the shell of the new blower building. The project is expected to be finished by December. Once completed, average daily flow treatment capacity will be doubled to 0.500 mgd, and sludge handling capabilities will be significantly enhanced.

Maintaining operations during construction is challenging, and we appreciate Mr. Mewhorter's efforts to maintain compliance. Monthly NPDES permit discharge monitoring reports indicate only one bacteria limit violation thus far this year.

Enclosed is our inspection report. If there are any errors, or you have any questions, please call me at (419) 373-3020 or email at rick.zuzik@epa.state.oh.us.

Yours truly,

Richard A. Zuzik, MSE
Division of Surface Water

/llr

pc: Ottawa County Health Department
(DSW-NWDO File _____)



OPERATION AND MAINTENANCE INSPECTOR
0.025 to 1.0 MGD

Application No. OH 0022322
 Ohio Permit No. 2PA00067
 Date 8-11-09 Time 11⁰⁰ AM
 Facility Name Put-in-Bay WWTP Township PIB
 Facility Address Concorde Ave County Ottawa
 City PIB Name and Address of Owner Village of PIB Phone (419) 285-8545
 Person Contacted Mike Mewharter, Operator, Supt Phone _____
 Flow: Design 250,000 GPD Present 250,000 GPD (metered - estimated)
 Trib. Pop. 450 + 10,000 +/- tourist (actual-estimated) Weather at time of inspection 80° Clear
 DEPA Personnel Rick Zuzik District NW

STORE 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	✓		
OPERATOR BUDGET			✓	PERIODIC			
LABORATORY CONTROL			✓	CONTINUOUS			
INSTRUMENTATION			✓	ORGANIC			
INDUSTRIAL WASTE			✓	PERIODIC	✓		
PLANT OBSOLESCENCE			✓	CONTINUOUS			
EQUIPMENT FAILURE:			✓	OVERLOAD CAUSES:			
TREATMENT PROCESSES			✓	INFILTRATION			
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							
PERSONNEL CLASSIFICATION (a.)	EMPLOYMENT			(c.) CERTIFICATION		TRAINING REQUIRED NEXT 12 MONTHS	
	(b.)		NO. RE-COMMENDED	VOLUNTARY	ACTUAL NO. CERTIFIED	NEW HIRES	UPGRADE (Promotion or skill improvement)
	ACTUAL	NUMBER BUDGETED		MANDATORY			
	MANHOURS PER WEEK	NUMBER		NO. RECOM-MENDED OR REQUIRED BY STATE			
1. MANAGEMENT SUPERVISOR		1					
2. OPERATOR		1					
3. LABORATORY							
4. MAINTENANCE							
5. OTHER PLANT WORKERS							
6. OTHER OFFICE WORKERS		1					
7. TOTAL		3					

3. PURPOSE OF INSPECTION				4. GENERAL RATING			
<input type="checkbox"/> GRANT COMPLIANCE <input type="checkbox"/> FOLLOW-UP <input type="checkbox"/> PERMIT COMPLIANCE <input checked="" type="checkbox"/> OTHER: <u>Construction</u>				ACCEPTABLE		✓	
				CONDITIONAL ACCEPTANCE			
				UNACCEPTABLE			
EVALUATION PERFORMED BY		TITLE		ORGANIZATION		DATE	
<u>Rick Zuzik</u>		<u>ES II</u>		<u>Ohio EPA, NW00</u>		<u>8-11-09</u>	
INFORMATION FURNISHED BY		TITLE		ORGANIZATION		DATE	
<u>Mike Mewharter</u>		<u>Supt</u>		<u>PIB</u>		<u>8-11-09</u>	

GUIDE - 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	-	Under Construction
	BUILDINGS	-	
	POTABLE WATER SUPPLY PROTECTION	S	
	SAFETY FEATURES	S	
	BYPASSES		
	STORMWATER OVERFLOWS		
PRELIMINARY	MAINTENANCE OF COLLECTION SYSTEMS	S	
	PUMP STATION	IN	7 total
	VENTILATION	S	
	BAR SCREEN		
	DISPOSAL OF SCREENINGS		
	COMMINUTOR		
	GRIT CHAMBER		
	DISPOSAL OF GRIT		
PRIMARY	SETTLING TANKS		
	SCUM REMOVAL		
	SLUDGE REMOVAL		
	EFFLUENT		
SLUDGE DISPOSAL	DIGESTERS	IN	Aerobic
	TEMPERATURE AND PH		
	GAS PRODUCTION		
	HEATING EQUIPMENT		
	SLUDGE PUMPS		
	DRYING BEDS		
	VACUUM FILTER		
	INCINERATION		
DISPOSAL OF SLUDGE	S	3x/Week in summer	
OTHER	FLOW METER AND RECORDER	IN	
	RECORDS	S	
	LAB CONTROLS	S	
SECONDARY-TERTIARY (LAST ITEMS AS REQUIRED)	SBR's (2)	IN	Operating at Peak Capacity Treating upwards of 360,000 gpd
CHLORINE	EFFLUENT	S	Very Clear
	CHLORINATORS	IN	
	EFFECTIVE DOSAGE	S	one bacteria violation in June
	CONTACT TIME	S	
	CONTACT TANK	IN	
	Post Aeration	IN	

ANNUAL BUDGET FOR MAINTAINING AND OPERATING PLANT

SALARIES & WAGES	ELECTRICITY	CHEMICALS	MAINTENANCE	STAFFING & TRAINING	OTHER	TOTAL