



**Environmental
Protection Agency**

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

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

September 22, 2010

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

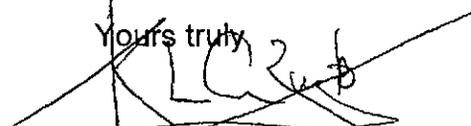
Dear Mr. Knauer:

On September 14, 2010, an inspection was made of the wastewater treatment plant serving the village. Mr. Dave Gruet was also present and provided information on facility operations. At the time of my visit, all three batch reactors were in service, and a very clear final effluent was observed in the contact tank prior to being discharged.

The plant has already experienced flows near the 0.500 mgd average daily design this tourist season without experiencing major operational problems. The new sludge dewatering system has worked out especially well. Monthly NPDES discharge monitoring reports have indicated only one violation since the upgrade became operational which was attributed to a stuck air valve.

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

/lb

pc:  INWBO File

OPERATION AND MAINTENANCE INSPECTION
0.025 to 1.0 MGD

Application No. OH 0022322
 Ohio Permit No. 21A00067
 Date 9-14-10 Time 2:00 PM
 Facility Name Put-in-Bay WWTP Township PIB
 Facility Address _____
 City S. Bass Island County Ottawa
 Name and Address of Owner Village of PIB Phone (419) 285-2545
 Person Contacted Dave Gruet Phone _____
 Flow: Design 0.500 MGD GPD Present 0.150 - 0.3 MGD GPD (metered) - estimated
 Trib. Pop. 450 + 10,000⁺ Tourists (actual-estimated) Weather at time of inspection 75° Clear
 OEPA Personnel Rick Zuzik District NW

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				
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				
EQUIPMENT MAINTENANCE			✓	INDUSTRIAL GROWTH				
SPARE PARTS INVENTORY			✓	RAPID POPULATION GROWTH				
POWER FAILURE			✓	INCREASED SERVICE AREA				
				OTHER:				
				OTHER:				

2. PLANT PERSONNEL INVENTORY								
PERSONNEL CLASSIFICATION (a.)	EMPLOYMENT (b.)				(c.) CERTIFICATION		TRAINING REQUIRED NEXT 12 MONTHS (d.)	
	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						

3. PURPOSE OF INSPECTION				4. GENERAL RATING			
<input type="checkbox"/> GRANT COMPLIANCE <input type="checkbox"/> FOLLOW-UP <input checked="" type="checkbox"/> PERMIT COMPLIANCE <input type="checkbox"/> OTHER:				ACCEPTABLE		✓	
				CONDITIONAL ACCEPTANCE			
				UNACCEPTABLE			
EVALUATION PERFORMED BY		TITLE		ORGANIZATION		DATE	
Rick Zuzik		ES II		OEPA, NWDO		9-14-10	
INFORMATION FURNISHED BY		TITLE		ORGANIZATION		DATE	
Dave Gruet				PIB		9-14-10	

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	S	Construction Completed
	BUILDINGS	S	
	POTABLE WATER SUPPLY PROTECTION	S	
	SAFETY FEATURES	S	
	BYPASSES	S	
	STORMWATER OVERFLOWS	S	
	Diesel Backup	S	
PRELIMINARY	MAINTENANCE OF COLLECTION SYSTEMS	S	7 total
	PUMP STATION	IN	
	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		
	Gravity Dewatering	IN	
OTHER	FLOW METER AND RECORDER	IN	Sludge Mate - Working Well Influent & Effluent
	RECORDS		
	LAB CONTROLS		
SECONDARY-TERTIARY (LIST ITEMS AS REQUIRED)	SBR's	IN	All 3 used for summer 3 dedicated blowers
CHLORINE	EFFLUENT	S	Very clear New U.V.
	CHLORINATORS	IN	
	EFFECTIVE DOSAGE	-	
	CONTACT TIME	-	
	CONTACT TANK	IN	
	Post Aeration	IN	

ANNUAL BUDGET FOR MAINTAINING AND OPERATING PLANT

SALARIES & WAGES	ELECTRICITY	CHEMICALS	MAINTENANCE	STAFFING & TRAINING	OTHER	TOTAL