



State of Ohio Environmental Protection Agency

Northwest District Office

347 North Dunbridge Road
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: Ottawa County
Village of Put-in-Bay
NPDES Permit

September 12, 2008

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

Dear Mr. Knauer:

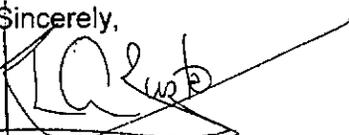
On September 4, 2008, an inspection was made of the Village's wastewater treatment plant. Mr. Mike Mewhorter, Superintendent was also present and provided information on facility operations. At the time of my visit, both batch reactors were being used, and a clear final effluent was observed being discharged from the plant. Our comments and recommendations are as follows:

- 1) The plant has been receiving flow in excess of the 0.250 mgd rated capacity during the peak tourist season. A review of monthly NPDES discharge monitoring reports since the beginning of the year indicate compliance with all final effluent limitations with the exception of chorine residual. This issue will be resolved with the switch to U.V. disinfection in the upcoming \$4 million dollar expansion/ improvement project.
- 2) We recently received a Permit to Install and NPDES permit modification request for the above noted plant expansion. Detail plans indicate a third batch reactor which along with other modifications which will double plant treatment capacity to 0.50 mgd. Other major improvements include a much needed sludge handling/dewatering system and an alternate final outfall pipe just east of the existing line to handle increased flow from the expansion. NPDES permit effluent limitations will be modified to reflect the expansion and include the additional outfall. A mandatory Antidegradation public hearing has been scheduled for October 21st.
- 3) We also discussed the Chance Stevens/ Chapman Road sanitary sewer project. This line was installed in 2006 with the intention of turning it over to the village, however, a capitol recovery agreement was never signed prior to project completion. Negotiations are ongoing with Mr. Stevens to finalize financial obligations related to the project, which must be addressed before the agreement can be signed, and the sewer deeded over. This section of sewer is important as it acts as a link to picking up further development to the north. Please notify me when this issue has been resolved. Also, the Phase II, Langram Road sanitary sewer extension approved in April 2007, and originally proposed to serve a resort complex has fallen through and will not be constructed.

Mr. Doug Knauer
September 12, 2008
Page Two

Our completed inspection report is enclosed. If there are any errors, or if you have any questions, please feel free to call me at (419) 373-3022, or email at rick.zuzik@epa.state.oh.us

Sincerely,



~~Richard A. Zuzik, MSE
Division of Surface Water~~

/lb

Pc: Ottawa County Health Department
Ottawa County Sanitary Engineers Office

~~NWDC file~~

OPERATION AND MAINTENANCE INSPECTOR
0.025 to 1.0 MGD

Application No. OH 0022322
 Facility Name Village of Put-in-Bay WWTP Ohio Permit No. 2PA00067
 Facility Address Concord Ave Date 9-4-08 Time _____
 City S. Bass Island County Ottawa Township Put-in-Bay
 Name and Address of Owner Doug Knaver, Village Administrator, P.O. Box 481 Phone (419) 285-8595
 Person Contacted Doug Knaver, Mike Mewhorter, Supt Phone _____
 Flow: Design 250,000 GPD Present _____ GPD (metered - estimated)
 Trib. Pop. 450 + 10,000 + Tourist (actual estimated) Weather at time of inspection 80° Clear
 OEPA Personnel Bick Zuzik District NWDO

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 <u>NO BACK UP GENERATOR</u>	✓			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		1			1	III		
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		ACCEPTABLE		✓	
<input checked="" type="checkbox"/> PERMIT COMPLIANCE		<input type="checkbox"/> OTHER:		CONDITIONAL ACCEPTANCE			
EVALUATION PERFORMED BY		TITLE		ORGANIZATION		DATE	
<u>Bick Zuzik</u>		<u>ES II</u>		<u>OEPA, NWDO</u>		<u>9-4-08</u>	
INFORMATION FURNISHED BY		TITLE		ORGANIZATION		DATE	
<u>Mike Mewhorter</u>		<u>Superintendent</u>		<u>PIB</u>		<u>9-4-08</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	S	
	BUILDINGS	S	
	POTABLE WATER SUPPLY PROTECTION	S	
	SAFETY FEATURES	S	
	BYPASSES		
	STORMWATER OVERFLOWS		
PRELIMINARY	MAINTENANCE OF COLLECTION SYSTEMS	S	
	PUMP STATION	IN	1 main at plant, 7 in system
	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, inadequate storage
	TEMPERATURE AND PH		
	GAS PRODUCTION		
	HEATING EQUIPMENT		
	SLUDGE PUMPS		
	DRYING BEDS		
	VACUUM FILTER		
	INCINERATION		
DISPOSAL OF SLUDGE	S	3x/week Keith Edwards	
OTHER	FLOW METER AND RECORDER	IN	Flows Averaging 270 m60 during summer
	RECORDS	S	
	LAB CONTROLS	S	
SECONDARY-TERTIARY (LIST ITEMS AS REQUIRED)	SBR	IN	Both in use
CHLORINE	EFFLUENT	S	Very clear
	CHLORINATORS / Dechlor	IN	
	EFFECTIVE DOSAGE	S	
	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

Get New Data

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PA00067*HD	May 2008	001	50060	Chlorine, Total Residu	1D Conc	0.038	.05	5/3/2008
2PA00067*HD	May 2008	001	50060	Chlorine, Total Residu	1D Conc	0.038	.05	5/4/2008
2PA00067*HD	May 2008	001	50060	Chlorine, Total Residu	1D Conc	0.038	.05	5/6/2008
2PA00067*HD	May 2008	001	50060	Chlorine, Total Residu	1D Conc	0.038	.05	5/8/2008
2PA00067*HD	May 2008	001	50060	Chlorine, Total Residu	1D Conc	0.038	.05	5/12/2008
2PA00067*HD	June 2008	001	50060	Chlorine, Total Residu	1D Conc	0.038	.05	6/14/2008
2PA00067*HD	June 2008	001	50060	Chlorine, Total Residu	1D Conc	0.038	.05	6/21/2008