



State of Ohio Environmental Protection Agency

Northwest District Office

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

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www.epa.ohio.gov

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

Re: Richland County
Village of Bellville
NPDES Permit

April 8, 2010

Mr. Terry Gatton, Superintendent
Bellville WWTP
142 Park Place
Bellville, Ohio 44813

Dear Mr. Gatton,

On March 31, 2010, an inspection was made of the Village of Bellville Wastewater Treatment Plant located at 101 E. Durbin Avenue. You were present to answer questions and provide a tour of the facilities.

Most of the major treatment units were in service at the time of the inspection. The western RBC unit was out of service due to a broken weld on the drive shaft. Repairmen were onsite fixing the weld during the inspection. The RBC had been down for approximately 2 weeks. The effluent from the treatment plant was turbid. A plume from the effluent was visible in the receiving stream.

A review of the discharge monitoring reports submitted to our office for the months of May 2009 through February 2010 revealed numerous violations of the limits contained in your NPDES permit. Our office is growing more concerned with the frequency of violations occurring at the treatment plant. These violations do not appear to be caused by lack of operator attention or knowledge but rather by failure of the treatment equipment or design limitations of the treatment plant. It may be in the best interest of the Village to consider the redesign or replacement of the treatment plant in the near future.

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

Sincerely,

Walter Ariss
Environmental Specialist II
Division of Surface Water

/lb

pc: ~~NWDC-DSW file~~
Mayor and Council, Village of Bellville

OPERATION AND MAINTENANCE INSPECTOR
0.025 to 1.0 MGD

Facility Name Village of Bellville WWTP Application No. OH
 Ohio Permit No. 2PB00057
 Facility Address 110 Robin Ave Date 3/31/10 Time 1:00
 City Bellville County Richland Township _____
 Name and Address of Owner _____ Phone _____
 Person Contacted Terry Gratton - Superintendent Phone _____
 Flow: Design 330,000 GPD Present _____ GPD (metered - estimated) _____
 Trib. Pop. ~1700 (actual-estimated) Weather at time of inspection 65° sunny
 OEPA Personnel Walter Aciss District H4100

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 <u>Hired new operator</u>			<input checked="" type="checkbox"/>	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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		INFILTRATION			
SLUDGE HANDLING AND PROCESSING		<input checked="" type="checkbox"/>		COMBINED SEWERS			
EQUIPMENT MAINTENANCE				INDUSTRIAL GROWTH			
SPARE PARTS INVENTORY				RAPID POPULATION GROWTH			
POWER FAILURE				INCREASED SERVICE AREA			
				OTHER:			
				OTHER:			

2. PLANT PERSONNEL INVENTORY <u>not evaluated</u>									
PERSONNEL CLASSIFICATION (a.)	EMPLOYMENT (b.)				CERTIFICATION (c.)		TRAINING REQUIRED NEXT 12 MONTHS (d.)		
	ACTUAL		NUMBER BUDGETED	NO. RE- COMMENDED	VOLUNTARY	MANDATORY	ACTUAL NO. CERTIFIED	NEW HIRES	UPGRADE (Promotion or skill im- provement)
	MANHOURS PER WEEK	NUMBER							
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			
<input checked="" type="checkbox"/> PERMIT COMPLIANCE		<input type="checkbox"/> OTHER:		CONDITIONAL ACCEPTANCE		<input checked="" type="checkbox"/>	
UNACCEPTABLE							
EVALUATION PERFORMED BY		TITLE		ORGANIZATION		DATE	
<u>Walter Aciss</u>		<u>EST II</u>		<u>Oh. b. EPA</u>		<u>3/31/10</u>	
INFORMATION FURNISHED BY		TITLE		ORGANIZATION		DATE	
<u>Terry Gratton</u>		<u>Superintendent</u>		<u>Bellville</u>			

GUIDE - VISUAL OBSERVATION - UNIT PROCESS

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

X/E = not evaluated

CONDITION OR APPEARANCE		RATING	COMMENTS			
GENERAL	GROUNDS	S				
	BUILDINGS	S				
	POTABLE WATER SUPPLY PROTECTION	X/E				
	SAFETY FEATURES	S				
	BYPASSES	Out				
	STORMWATER OVERFLOWS	—				
PRELIMINARY	MAINTENANCE OF COLLECTION SYSTEMS	NE				
	PUMP STATION	—				
	VENTILATION	S				
	BAR SCREEN	S				
	DISPOSAL OF SCREENINGS	S				
	COMMINUTOR	S				
	GRIT CHAMBER	—				
	DISPOSAL OF GRIT	—				
PRIMARY	SETTLING TANKS	S				
	SCUM REMOVAL	M	<i>scum boxes have to be manually cleaned</i>			
	SLUDGE REMOVAL	S				
	EFFLUENT	S				
SLUDGE DISPOSAL	DIGESTERS	S	<i>being continuously aerated</i>			
	TEMPERATURE AND PH	—				
	GAS PRODUCTION	—				
	HEATING EQUIPMENT	—				
	SLUDGE PUMPS	S				
	DRYING BEDS	—				
	VACUUM FILTER	—				
	DISPOSAL OF SLUDGE	S	<i>land application - should get more fields approved</i>			
OTHER	FLOW METER AND RECORDER	S				
	RECORDS					
	LAB CONTROLS	X/E				
SECONDARY-TERTIARY (LIST ITEMS AS REQUIRED)	<i>RBCs</i>	M	<i>western RBC out / eastern okay</i>			
	<i>Secondary clarifiers</i>	M	<i>effluent turbid with some solids evident</i>			
	<i>Screen pumps</i>	S				
CHLORINE	EFFLUENT	M	<i>visible plume in receiving stream</i>			
	CHLORINATORS					
	EFFECTIVE DOSAGE					
	CONTACT TIME					
	CONTACT TANK					
	<i>UV Post Aeration</i>	Out	<i>Just turned up at which may have stirred up solids in tank</i>			
ANNUAL BUDGET FOR MAINTAINING AND OPERATING PLANT						
SALARIES & WAGES	ELECTRICITY	CHEMICALS	MAINTENANCE	STAFFING & TRAINING	OTHER	TOTAL

Get New Data

Bellville NPDES permit limit violations May 2009 through February 2010

Permit No.	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PB00057*ID	May 2009	001	31616	Fecal Coliform	30D Conc	1000	1267.74	5/1/2009
2PB00057*ID	May 2009	001	80082	CBOD 5 day	30D Conc	13	15.	5/1/2009
2PB00057*ID	June 2009	001	31616	Fecal Coliform	30D Conc	1000	1138.89	6/1/2009
2PB00057*ID	June 2009	001	80082	CBOD 5 day	30D Conc	13	18.75	6/1/2009
2PB00057*ID	June 2009	001	80082	CBOD 5 day	7D Conc	20	21.	6/1/2009
2PB00057*ID	June 2009	001	01119	Copper, Total Recovera	1D Conc	20.41	25.	6/10/2009
2PB00057*ID	June 2009	001	80082	CBOD 5 day	7D Conc	20	22.5	6/15/2009
2PB00057*JD	July 2009	001	00530	Total Suspended Solids	30D Conc	20	22.25	7/1/2009
2PB00057*JD	July 2009	001	31616	Fecal Coliform	30D Conc	1000	1248.92	7/1/2009
2PB00057*JD	July 2009	001	80082	CBOD 5 day	30D Conc	13	15.875	7/1/2009
2PB00057*JD	August 2009	001	80082	CBOD 5 day	30D Conc	13	17.75	8/1/2009
2PB00057*JD	August 2009	001	80082	CBOD 5 day	7D Conc	20	22.5	8/1/2009
2PB00057*JD	September 2009	001	80082	CBOD 5 day	30D Conc	13	17.375	9/1/2009
2PB00057*JD	November 2009	001	80082	CBOD 5 day	30D Conc	13	17.625	11/1/2009
2PB00057*JD	December 2009	001	00400	pH	1D Conc	9.0	9.3	12/1/2009
2PB00057*JD	January 2010	001	80082	CBOD 5 day	30D Conc	13	15.625	1/1/2010