



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: Richland County
Village of Bellville
NPDES Permit

January 24, 2008

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

Dear Mr. Gatton:

On January 10, 2008, an inspection was made of the Village of Bellville WWTP located at 199 School Street, Bellville, Richland County. You were present to answer questions and provide a tour of the facilities. At the time of the inspection all major treatment units were in operation and functioning normally. A clear effluent was observed in the post aeration tank. No major concerns were noted.

During the tour you pointed out a new balance that was purchased for the lab. We are pleased to see that the Village upgraded the lab equipment in response to our previous inspection. During the inspection you also mentioned that several sections of the plastic media within one of the RBC units were recently replaced. Continued regular maintenance and careful operation is needed to keep these units functioning.

A review of the discharge monitoring reports submitted to our office for the months of August through December 2007, revealed several violations of the limits contained in your NPDES permit. Please refer to the attached sheet for a printout of these violations.

On October 9 and again on November 30, 2007, we received a letter from you regarding the new copper effluent limit. You stated that you had changed the sludge wasting process and hoped that this would help with meeting the new limit. You have also taken several samples throughout the sewer system in hopes of identifying possible sources. The sampling results did not reveal any one area of town where the copper source may be located. You also contacted several industries; however none of them contributed a copper waste stream to the sanitary sewer. While three of the last five copper samples were in compliance, the results were very close to the limit. It appears the adjustment in sludge wasting has helped with meeting the copper limit; however additional steps may still be necessary.

Mr. Terry Gatton, Superintendent
January 24, 2008
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If you have any further questions, please give me a call at 419-373-3070.

Sincerely,



Walter Ariss
Environmental Specialist II
Division of Surface Water

/lr

Enclosure

pc: DSW-NWDO File w/enclosures

OPERATION AND MAINTENANCE INSPECTION
0.025 to 1.0 MGD

Facility Name Village of Bellville Application No. OH
 Ohio Permit No. 2PB00057
 Facility Address 199 School Street Date 1/10/08 Time 2:30 pm
 City Bellville County Richland Township _____
 Name and Address of Owner _____ Phone _____
 Person Contacted Terry Gatten - Operator Phone _____
 Flow: Design 330,000 GPD Present 220,000 - 2,100,000 GPD (metered - estimated)
 Trib. Pop. _____ (actual-estimated) Weather at time of inspection 37° cloudy
 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		X		OVERLOADS (type)			
PERSONNEL TRAINING			X	HYDRAULIC		X	
OPERATOR BUDGET			X	PERIODIC		X	
LABORATORY CONTROL			X	CONTINUOUS			
INSTRUMENTATION			X	ORGANIC			
INDUSTRIAL WASTE		X		PERIODIC			
PLANT OBSOLESCENCE		X		CONTINUOUS			
EQUIPMENT FAILURE:			X	OVERLOAD CAUSES:			
TREATMENT PROCESSES				INFILTRATION		X	
SLUDGE HANDLING AND PROCESSING				COMBINED SEWERS			
				INDUSTRIAL GROWTH			
EQUIPMENT MAINTENANCE			X	RAPID POPULATION GROWTH			
SPARE PARTS INVENTORY			X	INCREASED SERVICE AREA			
POWER FAILURE			X	OTHER:			
				OTHER:			

2. PLANT PERSONNEL INVENTORY - <i>not evaluated</i>								
PERSONNEL CLASSIFICATION (a.)	EMPLOYMENT (b.)			CERTIFICATION (c.)		TRAINING REQUIRED NEXT 12 MONTHS (d.)		
	ACTUAL		NUMBER BUDGETED	NO. RE-COMMENDED	NO. RECOM-MENDED OR REQUIRED BY STATE	ACTUAL NO. CERTIFIED	NEW HIRES	UPGRADE (Promotion or skill improvement)
	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			
UNACCEPTABLE							
EVALUATION PERFORMED BY		TITLE		ORGANIZATION		DATE	
<u>Walter Ariss</u>		<u>EST II</u>		<u>Ohio EPA</u>		<u>1-10-08</u>	
INFORMATION FURNISHED BY		TITLE		ORGANIZATION		DATE	
<u>Terry Gatten</u>		<u>Operator</u>		<u>Bellville</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		
	SAFETY FEATURES	S	
	BYPASSES	Out	
	STORMWATER OVERFLOWS		
PRELIMINARY	MAINTENANCE OF COLLECTION SYSTEMS	NE	
	PUMP STATION		
	VENTILATION	S	
	BAR SCREEN	Out	back up
	DISPOSAL OF SCREENINGS	S	
	COMMINUTOR	In	
	GRIT CHAMBER		
	DISPOSAL OF GRIT		
PRIMARY	SETTLING TANKS	In	Both tanks look good
	SCUM REMOVAL	S	- some grease in plant due to grease collector box broke that morning
	SLUDGE REMOVAL	S	
	EFFLUENT	S	
SLUDGE DISPOSAL	DIGESTERS	S	only use newer tank - aerating 24/7
	TEMPERATURE AND PH		
	GAS PRODUCTION		
	HEATING EQUIPMENT		
	SLUDGE PUMPS	S	
	DRYING BEDS		
	VACUUM FILTER		
	INCINERATION		
DISPOSAL OF SLUDGE	S	land application	
OTHER	FLOW METER AND RECORDER	S	
	RECORDS	S	
	LAB CONTROLS	S	
SECONDARY-TERTIARY (LIST ITEMS AS REQUIRED)	Screw pumps	S	use one at a time - rotate every month
	RBCs	S	both in service
	Secondary Clarifiers	S	Both in service, some grease on surface
	Post aeration tank	S	okay
CHLORINE	EFFLUENT	S	
	CHLORINATORS		
	EFFECTIVE DOSAGE		
	CONTACT TIME		
	CONTACT TANK		
	UV	Out	

ANNUAL BUDGET FOR MAINTAINING AND OPERATING PLANT

SALARIES & WAGES	ELECTRICITY	CHEMICALS	MAINTENANCE	STAFFING & TRAINING	OTHER	TOTAL

Village of Bellville NPDES permit limit violations
 August through December 2007

Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
August 2007	001	80082	CBOD 5 day	30D Conc	13	15.9	8/1/2007
August 2007	001	80082	CBOD 5 day	30D Qty	16	17.7202	8/1/2007
August 2007	001	01119	Copper, Total Recovers	1D Conc	20.41	28.	8/13/2007
August 2007	001	01119	Copper, Total Recovers	1D Qty	0.025	.02745	8/13/2007
August 2007	001	80082	CBOD 5 day	7D Qty	25	26.6766	8/22/2007
September 2007	001	80082	CBOD 5 day	30D Conc	13	15.8	9/1/2007
September 2007	001	00300	Dissolved Oxygen	1D Conc	5.0	4.9	9/6/2007
September 2007	001	00400	pH	1D Conc	9.0	9.1	9/13/2007
October 2007	001	80082	CBOD 5 day	30D Conc	13	13.2222	10/1/2007
October 2007	001	80082	CBOD 5 day	30D Qty	16	18.6642	10/1/2007
October 2007	001	80082	CBOD 5 day	7D Qty	25	41.6709	10/22/2007
November 2007	001	00530	Total Suspended Solids	30D Conc	20	20.6666	11/1/2007
November 2007	001	00530	Total Suspended Solids	7D Conc	30	39.	11/1/2007
November 2007	001	80082	CBOD 5 day	30D Conc	13	20.1111	11/1/2007
November 2007	001	80082	CBOD 5 day	7D Conc	20	36.5	11/1/2007
November 2007	001	80082	CBOD 5 day	30D Qty	16	19.1024	11/1/2007
November 2007	001	80082	CBOD 5 day	7D Qty	25	35.1153	11/1/2007
November 2007	001	00530	Total Suspended Solids	7D Conc	30	33.	11/8/2007
November 2007	001	01119	Copper, Total Recovers	1D Conc	20.41	25.	11/12/2007
November 2007	001	00400	pH	1D Conc	6.5	6.4	11/20/2007
November 2007	001	00400	pH	1D Conc	6.5	6.2	11/28/2007
December 2007	001	00400	pH	1D Conc	6.5	6.3	12/3/2007
December 2007	001	80082	CBOD 5 day	7D Qty	25	25.0964	12/8/2007
December 2007	001	00400	pH	1D Conc	6.5	5.9	12/14/2007

W.A.

RECEIVED

NOV 30 2007

**OHIO E.P.A.
N.W.D.O.**

VILLAGE OF BELLVILLE

November 29, 2007

Ohio Environmental Protection Agency
Northwest District Office
347 North Dunbridge Road
Bowling Green, Ohio 43402

Attention: Walter Ariss
Environmental Specialist II
Division of Surface Water

Re: Village of Bellville
Waste Water Treatment Plant
Copper Limit

Dear Mr. Ariss;

Shortly after I talked to you about the problem we have with meeting our copper limit, I changed my sludge drawing process. This seems to be working effectively to keep the copper limits down.

The last two months our copper has been down below 20.41ug/l, which is our legal copper limit. I would like to continue to try this process for a few months to see if it will in fact cure our problem. Your time and patience is greatly appreciated.

Thank You

Terry Gatton

