



State of Ohio Environmental Protection Agency

Northwest District Office

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

Re: Richland County
Village of Bellville
NPDES Permit

July 25, 2008

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

Dear Mr. Gatton:

On July 10, 2008, an inspection was made of the Village of Bellville WWTP located at 101 E. Durbin Ave, 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.

The primary tanks were operating properly. Both RBC units were online and functioning. The RBC units are aerated in an effort to improve treatment. The secondary units had a light layer of scum present on the top. You stated that you were hoping to replace the scum skimmers with a better performing apparatus.

You mentioned your intention to adjust the use of the sludge digesters. You are hoping to use the older aerated tank as a primary digester to which the daily solids would be wasted. Once this tank is full it would be decanted. The concentrated solids would then be pumped to the newer aerated digester for storage until it could be land applied. This operation may provide a greater concentrated sludge and more holding capacity between application periods.

A review of the discharge monitoring reports submitted to our office for the months of January through June 2008, revealed two violations of the limits contained in your NPDES permit. Both of these violations were for exceeding the pH limit in February. The current sludge wasting frequency of twice per day appears to be keeping the effluent copper concentrations below the limit. We recommend that you continue this practice.

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

/l/r

Enclosure

pc: CDSW-NWDO File w/enclosures

OPERATION AND MAINTENANCE INSPECTION
0.025 to 1.0 MGD

Facility Name Bellville WWTP Application No. OH
 Ohio Permit No. 2PB00057
 Facility Address 101 E. Durbin Ave Date 7/10/08 Time 11:15
 City Bellville County Richland Township _____
 Name and Address of Owner _____ Phone _____
 Person Contacted Terry Gattton Phone _____
 Flow: Design 330,000 GPD Present 160,000 - 400,000 GPD (metered - estimated)
 Trib. Pop. _____ (actual-estimated) Weather at time of inspection 82° sunny
 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			X
INDUSTRIAL WASTE			X	PERIODIC			
PLANT OBSOLESCENCE			X	CONTINUOUS			
EQUIPMENT FAILURE:			X	OVERLOAD CAUSES:			
TREATMENT PROCESSES			X	INFILTRATION		X	
SLUDGE HANDLING AND PROCESSING			X	COMBINED SEWERS			
			X	INDUSTRIAL GROWTH			
EQUIPMENT MAINTENANCE			X	RAPID POPULATION GROWTH			
SPARE PARTS INVENTORY			X	INCREASED SERVICE AREA			
POWER FAILURE			X	OTHER:			
				OTHER:			

2. PLANT PERSONNEL INVENTORY									
PERSONNEL CLASSIFICATION (a.)	EMPLOYMENT (b.)				CERTIFICATION (c.)		TRAINING REQUIRED NEXT 12 MONTHS (d.)		
	ACTUAL		NUMBER BUDGETED	NO. RECOMMENDED	VOLUNTARY	MANDATORY	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 checked="" type="checkbox"/> GRANT COMPLIANCE		<input type="checkbox"/> FOLLOW-UP		ACCEPTABLE		<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/> PERMIT COMPLIANCE		<input type="checkbox"/> OTHER:		CONDITIONAL ACCEPTANCE			
UNACCEPTABLE							
EVALUATION PERFORMED BY		TITLE		ORGANIZATION		DATE	
<u>Walter Ariss</u>		<u>ESTI</u>		<u>Ohio EPA</u>		<u>7/10</u>	
INFORMATION FURNISHED BY		TITLE		ORGANIZATION		DATE	
<u>Terry Gattton</u>		<u>Superintendent</u>		<u>Village of Bellville</u>		<u>7/10</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	NE	
	SAFETY FEATURES	S	
	BYPASSES	Out	Bypass at screw pumps has been sealed & has high under light
	STORMWATER OVERFLOWS		
PRELIMINARY	MAINTENANCE OF COLLECTION SYSTEMS	NE	Appears that there is an I/E issue - flows in Natick 4/16/00
	PUMP STATION - screw pumps	S	
	VENTILATION		
	BAR SCREEN	Out	backed up
	DISPOSAL OF SCREENINGS	S	landfill
	COMMUNOTOR	In	
	GRIT CHAMBER		
	DISPOSAL OF GRIT		
PRIMARY	SETTLING TANKS	S	working great
	SCUM REMOVAL	S	-using buckets & disposing to landfill
	SLUDGE REMOVAL	S	
	EFFLUENT	S	
SLUDGE DISPOSAL	DIGESTERS	S	talked about changing digester setup
	TEMPERATURE AND PH	—	
	GAS PRODUCTION	—	
	HEATING EQUIPMENT	—	
	SLUDGE PUMPS	S	got transfer pump working & will use to pump between tanks
	DRYING BEDS	—	
	VACUUM FILTER	—	
	INCINERATION	—	
DISPOSAL OF SLUDGE	S	land application	
OTHER	FLOW METER AND RECORDER	S	after primary 5 / I/E should start being looked at
	RECORDS	S	
	LAB CONTROLS	S	
SECONDARY - TERTIARY (LIST ITEMS AS REQUIRED)	RBC units	S	Both units in service, aerating channels
	Secondary clarifiers	S	some floating scum / wasting 2/day
CHLORINE	EFFLUENT	S	
	CHLORINATORS	—	
	EFFECTIVE DOSAGE	S	
	CONTACT TIME	S	
	CONTACT TANK	S	
	UV last generation	S	

ANNUAL BUDGET FOR MAINTAINING AND OPERATING PLANT

SALARIES & WAGES	ELECTRICITY	CHEMICALS	MAINTENANCE	STAFFING & TRAINING	OTHER	TOTAL