



State of Ohio Environmental Protection Agency

Northwest District Office

347 North Dunbridge Rd.
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

June 18, 2009

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

Dear Mr. Gatton:

On June 11, 2009, 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.

All major treatment units were in service at the time of the inspection. The western RBC unit was back in service. A new center shaft had been installed and all of the filter media within this unit was replaced. You stated that the blowers to the aerobic sludge digesters have been turned back on, and are run on a continuous basis.

At the time of the inspection, Agrisludge was onsite hauling sludge to the Lodi treatment plant for further treatment. The digester tanks at the plant were both full. You stated that the Village's approved sludge field had been planted in corn. We recommend that the Village consider getting additional fields authorized for sludge disposal in order to avoid this situation in the future.

A review of the discharge monitoring reports submitted to our office for the months of October 2008, through April 2009, revealed numerous violations of the limits contained in your NPDES permit. It is believed that the failure of the western RBC unit is the major cause of these violations.

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

pc: ~~DSW-NWDO File~~
Mayor and Council, Village of Bellville

OPERATION AND MAINTENANCE INSPECTOR
0.025 to 1.0 MGD

Application No. OH
Ohio Permit No. 2PB00057
Facility Name Village of Bellville WWTP Date 6/11/09 Time 10:15 am
Facility Address 199 School St City Bellville County Richland Township _____
Name and Address of Owner _____ Phone _____
Person Contacted Terry Gatten - Superintendent Phone _____
Flow: Design 330,000 GPD Present 180,000-500,000 GPD (metered - estimated)
Trib. Pop. _____ (actual-estimated) Weather at time of inspection 65° rain
DEPA Personnel Walter Ari's District NW60

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				X
LABORATORY CONTROL				CONTINUOUS				
INSTRUMENTATION				ORGANIC				
INDUSTRIAL WASTE				PERIODIC				
PLANT OBSOLESCENCE		X		CONTINUOUS				
EQUIPMENT FAILURE:				OVERLOAD CAUSES:				
TREATMENT PROCESSES		X		INFILTRATION				X
SLUDGE HANDLING AND PROCESSING		X		COMBINED SEWERS				
				INDUSTRIAL GROWTH				
EQUIPMENT MAINTENANCE				RAPID POPULATION GROWTH				
SPARE PARTS INVENTORY				INCREASED SERVICE AREA				
POWER FAILURE				OTHER:				
				OTHER:				

2. PLANT PERSONNEL INVENTORY <i>- not evaluated</i>								
(a.) PERSONNEL CLASSIFICATION	(b.) EMPLOYMENT				(c.) CERTIFICATION		(d.) TRAINING REQUIRED NEXT 12 MONTHS	
	ACTUAL		NUMBER BUDGETED	NO. RECOMMENDED	NO. RECOMMENDED 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 checked="" 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 Ari's</u>		<u>ES II</u>		<u>Ohio EPA</u>		<u>6/11/09</u>	
INFORMATION FURNISHED BY		TITLE		ORGANIZATION		DATE	
<u>Terry Gatten</u>		<u>Superintendent</u>		<u>Bellville</u>		<u>6/11/09</u>	

GUIDE - VISUAL OBSERVATION - UNIT PROCESS

NE = not evaluated

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

CONDITION OR APPEARANCE		RATING	COMMENTS
GENERAL	GROUNDS	S	Some grass staining due to digester foam over
	BUILDINGS	S	
	POTABLE WATER SUPPLY PROTECTION	NE	
	SAFETY FEATURES	NE	
	BYPASSES	Out	
	STORMWATER OVERFLOWS		
PRELIMINARY	MAINTENANCE OF COLLECTION SYSTEMS	NE	
	PUMP STATION	-	
	VENTILATION	-	
	BAR SCREEN	Out	Backup to comminutor
	DISPOSAL OF SCREENINGS	S	
	COMMINUTOR	IN	
	GRIT CHAMBER		
	DISPOSAL OF GRIT		
PRIMARY	SETTLING TANKS	IN	Both tanks in service
	SCUM REMOVAL	IN	
	SLUDGE REMOVAL	IN	
	EFFLUENT	S	
SLUDGE DISPOSAL	DIGESTERS	IN	Being aerated all the time
	TEMPERATURE AND PH	-	
	GAS PRODUCTION	-	
	HEATING EQUIPMENT	-	
	SLUDGE PUMPS	IN	
	DRYING BEDS	-	
	VACUUM FILTER	-	
	INCINERATION	-	
	DISPOSAL OF SLUDGE	S	Normally land apply - hauling to Locki today
OTHER	FLOW METER AND RECORDER	IN	Calibrated last summer
	RECORDS	S	Discussed need to keep operators log book
	LAB CONTROLS		
SECONDARY-TERTIARY (LIST ITEMS AS REQUIRED)	RBC units	IN	Both units in service
	Screw pumps	IN	one in service - one backup
	Secondary clarifiers	IN	Clarifiers appear very turbid
CHLORINE	EFFLUENT	S	
	CHLORINATORS	-	
	EFFECTIVE DOSAGE	-	
	CONTACT TIME	-	
	CONTACT TANK	-	
	UV system	IN	
	Post aeration	IN	

ANNUAL BUDGET FOR MAINTAINING AND OPERATING PLANT

SALARIES & WAGES	ELECTRICITY	CHEMICALS	MAINTENANCE	STAFFING & TRAINING	OTHER	TOTAL

Get New Data

Bellville WWTP NPDES permit limit violations October 2008 through April 2009

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PB00057*ID	October 2008	001	31616	Fecal Coliform	30D Conc	1000	1940.77	10/1/2008
2PB00057*ID	October 2008	001	80082	CBOD 5 day	30D Conc	13	21.75	10/1/2008
2PB00057*ID	October 2008	001	80082	CBOD 5 day	7D Conc	20	22.5	10/1/2008
2PB00057*ID	October 2008	001	31616	Fecal Coliform	7D Conc	2000	2097.61	10/8/2008
2PB00057*ID	October 2008	001	80082	CBOD 5 day	7D Conc	20	24.5	10/15/2008
2PB00057*ID	October 2008	001	80082	CBOD 5 day	7D Conc	20	26.5	10/22/2008
2PB00057*ID	November 2008	001	00530	Total Suspended Solids	30D Conc	20	22.125	11/1/2008
2PB00057*ID	November 2008	001	80082	CBOD 5 day	30D Conc	13	24.375	11/1/2008
2PB00057*ID	November 2008	001	80082	CBOD 5 day	7D Conc	20	23.	11/1/2008
2PB00057*ID	November 2008	001	80082	CBOD 5 day	30D Qty	16	16.8952	11/1/2008
2PB00057*ID	November 2008	001	01119	Copper, Total Recovers	1D Conc	20.41	25.	11/4/2008
2PB00057*ID	November 2008	001	80082	CBOD 5 day	7D Conc	20	30.	11/8/2008
2PB00057*ID	November 2008	001	80082	CBOD 5 day	7D Conc	20	24.	11/15/2008
2PB00057*ID	November 2008	001	00400	pH	1D Conc	9.0	9.1	11/19/2008
2PB00057*ID	November 2008	001	00400	pH	1D Conc	9.0	9.2	11/20/2008
2PB00057*ID	November 2008	001	80082	CBOD 5 day	7D Conc	20	20.5	11/22/2008
2PB00057*ID	November 2008	001	00400	pH	1D Conc	9.0	9.1	11/25/2008
2PB00057*ID	December 2008	001	80082	CBOD 5 day	30D Conc	13	25.25	12/1/2008
2PB00057*ID	December 2008	001	80082	CBOD 5 day	7D Conc	20	31.5	12/1/2008
2PB00057*ID	December 2008	001	80082	CBOD 5 day	30D Qty	16	20.6963	12/1/2008
2PB00057*ID	December 2008	001	80082	CBOD 5 day	7D Conc	20	21.	12/8/2008
2PB00057*ID	December 2008	001	80082	CBOD 5 day	7D Conc	20	29.5	12/15/2008
2PB00057*ID	January 2009	001	80082	CBOD 5 day	30D Conc	13	26.75	1/1/2009
2PB00057*ID	January 2009	001	80082	CBOD 5 day	7D Conc	20	21.5	1/1/2009
2PB00057*ID	January 2009	001	80082	CBOD 5 day	30D Qty	16	17.9517	1/1/2009
2PB00057*ID	January 2009	001	80082	CBOD 5 day	7D Conc	20	24.5	1/8/2009
2PB00057*ID	January 2009	001	80082	CBOD 5 day	7D Conc	20	39.5	1/15/2009
2PB00057*ID	January 2009	001	80082	CBOD 5 day	7D Qty	25	26.8110	1/15/2009
2PB00057*ID	January 2009	001	80082	CBOD 5 day	7D Conc	20	21.5	1/22/2009
2PB00057*ID	February 2009	001	80082	CBOD 5 day	30D Conc	13	18.5	2/1/2009
2PB00057*ID	February 2009	001	80082	CBOD 5 day	7D Conc	20	28.	2/1/2009
2PB00057*ID	February 2009	001	00400	pH	1D Conc	9.0	9.1	2/23/2009
2PB00057*ID	March 2009	001	80082	CBOD 5 day	30D Conc	13	19.375	3/1/2009
2PB00057*ID	March 2009	001	80082	CBOD 5 day	7D Conc	20	21.5	3/1/2009
2PB00057*ID	March 2009	001	80082	CBOD 5 day	30D Qty	16	16.2456	3/1/2009
2PB00057*ID	March 2009	001	80082	CBOD 5 day	7D Conc	20	25.	3/22/2009
2PB00057*ID	April 2009	001	80082	CBOD 5 day	30D Conc	13	17.125	4/1/2009
2PB00057*ID	April 2009	001	80082	CBOD 5 day	30D Qty	16	18.0445	4/1/2009
2PB00057*ID	April 2009	001	80082	CBOD 5 day	7D Conc	20	22.5	4/15/2009
2PB00057*ID	April 2009	001	80082	CBOD 5 day	7D Qty	25	34.1993	4/15/2009