



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 Butler WWTP
NPDES Permit

July 30, 2008

Mike Hoeflich, Operator
Village of Butler WWTP
33 Elm Street
P.O. Box 307
Butler, Ohio 44822

Dear Mr. Hoeflich,

On July 10, 2008, an inspection was made of the Village of Butler's wastewater treatment plant. Eric of your staff was present to answer any questions regarding plant operations. At the time of the inspection all major treatment units were in operation.

The flow equalization tanks were full. The Imhoff tank and circular primary were both functioning. Both of the RBC units and both secondary clarifiers were in operation. A relatively clear final effluent was being discharged to the river. It was noted that the western clarifier had a noticeable amount of sludge present against the effluent weir. The amount of sludge in the clarifiers should be kept as low as possible without overloading the sludge tanks.

A review of the Discharge Monitoring Reports (DMRs) submitted to our office for the months of December 2007 through June 2008 revealed numerous violations of the limits contained in your NPDES permit. The majority of these violations were for exceeding the loading limits. Loading violations are typically caused by excessive flow rates at the treatment plant. Flows at the treatment plant exceeded 600,000 gallons per day at times. The design flow of the treatment plant is only 120,000 gallons per day. A printout of these violations has been enclosed for your review.

The Village needs to continue with the Inflow and Infiltration (I/I) study in order to reduce the high flow rates at the treatment plant and prevent further loading violations of the NPDES permit.

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

Sincerely,

Walter Ariss
Environmental Specialist II
Division of Surface Water

/lb

Enclosed

pc: ~~OWDO:DSW~~ file w/enclosure

Mayor Jeffery Sellers, Village of Butler

OPERATION AND MAINTENANCE INSPECTOR
0.025 to 1.0 MGD

Application No. OH
Ohio Permit No. 2PA00044
Date 7/10/08 Time 12:30
Facility Name Village of Butler WWTP
Facility Address 223 Grant St
City Butler County Richland Township _____
Name and Address of Owner _____ Phone _____
Person Contacted Eric McAuley Phone _____
Flow: Design 120,000 GPD Present 60,000-500,000 GPD (metered - estimated)
Trib. Pop. _____ (actual-estimated) Weather at time of inspection 840 sunny
OEPA Personnel Walter Ariss District NW50

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		<input checked="" type="checkbox"/>		OVERLOADS (type)				
PERSONNEL TRAINING			<input checked="" type="checkbox"/>	HYDRAULIC	<input checked="" type="checkbox"/>			
OPERATOR BUDGET		<input checked="" type="checkbox"/>		PERIODIC	<input checked="" type="checkbox"/>			
LABORATORY CONTROL		<input checked="" type="checkbox"/>		CONTINUOUS				
INSTRUMENTATION		<input checked="" type="checkbox"/>		ORGANIC				<input checked="" type="checkbox"/>
INDUSTRIAL WASTE			<input checked="" type="checkbox"/>	PERIODIC				
PLANT OBSOLESCENCE	<input checked="" type="checkbox"/>			CONTINUOUS				
EQUIPMENT FAILURE:				OVERLOAD CAUSES:				
TREATMENT PROCESSES			<input checked="" type="checkbox"/>	INFILTRATION	<input checked="" type="checkbox"/>			
SLUDGE HANDLING AND PROCESSING		<input checked="" type="checkbox"/>		COMBINED SEWERS				
				INDUSTRIAL GROWTH				
EQUIPMENT MAINTENANCE			<input checked="" type="checkbox"/>	RAPID POPULATION GROWTH				
SPARE PARTS INVENTORY			<input checked="" type="checkbox"/>	INCREASED SERVICE AREA				
POWER FAILURE			<input checked="" type="checkbox"/>	OTHER:				
				OTHER:				

2. PLANT PERSONNEL INVENTORY								
PERSONNEL CLASSIFICATION (a.)	EMPLOYMENT (b.)				(c.) CERTIFICATION		TRAINING REQUIRED NEXT 12 MONTHS (d.)	
	ACTUAL		NUMBER BUDGETED	NO. RE-COMMENDED	VOLUNTARY	ACTUAL NO. CERTIFIED	NEW HIRES	UPGRADE (Promotion or skill improvement)
	MANHOURS PER WEEK	NUMBER			MANDATORY			
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>ES II</u>		<u>Ohio EPA</u>		<u>7/10</u>	
INFORMATION FURNISHED BY		TITLE		ORGANIZATION		DATE	
<u>Eric McAuley</u>		<u>Operator</u>		<u>Village of Butler</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	
	STORMWATER OVERFLOWS		
PRELIMINARY	MAINTENANCE OF COLLECTION SYSTEMS	M	<i>excessive</i>
	PUMP STATION <i>to RBCs</i>	In	
	VENTILATION	-	
	BAR SCREEN	Out	
	DISPOSAL OF SCREENINGS	-	
	COMMINUTOR	In	
	GRIT CHAMBER		
PRIMARY	SETTLING TANKS	S	<i>circular primary okay</i>
	SCUM REMOVAL		
	SLUDGE REMOVAL	M	<i>primary sludge needed to holding tanks of Imhoff</i>
	EFFLUENT	S	
	<i>Imhoff</i>	M	<i>some solids loss occurring</i>
SLUDGE DISPOSAL	DIGESTERS	S	<i>about 1/2 full</i>
	TEMPERATURE AND PH	-	
	GAS PRODUCTION	-	
	HEATING EQUIPMENT	-	
	SLUDGE PUMPS	S	
	DRYING BEDS	-	
	VACUUM FILTER	-	
	INCINERATION	-	
DISPOSAL OF SLUDGE	S	<i>land application</i>	
OTHER	FLOW METER AND RECORDER	S	
	RECORDS	NE	
	LAB CONTROLS	NE	
SECONDARY-TERTIARY (LIST ITEMS AS REQUIRED)	<i>RBCs</i>	In	<i>Both RBCs in service</i>
	<i>secondary clarifiers</i>	In	<i>Both clarifiers in service - western clarifier has sludge ground with</i>
CHLORINE	EFFLUENT	S	
	CHLORINATORS	In	
	EFFECTIVE DOSAGE		
	CONTACT TIME		
	CONTACT TANK	S	
	<i>Dechlor Post Aeration</i>	In	

ANNUAL BUDGET FOR MAINTAINING AND OPERATING PLANT

SALARIES & WAGES	ELECTRICITY	CHEMICALS	MAINTENANCE	STAFFING & TRAINING	OTHER	TOTAL

Village of Butler NPDES Permit limit violations
 December 2007 through June 2008

Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
December 2007	001	80082	CBOD 5 day	30D Qty	7	7.86239	12/1/2007
December 2007	001	00400	pH	1D Conc	6.5	6.4	12/17/2007
January 2008	001	80082	CBOD 5 day	30D Qty	7	7.07227	1/1/2008
January 2008	001	00530	Total Suspended Solids	1D Qty	14	18.7963	1/11/2008
January 2008	001	80082	CBOD 5 day	1D Qty	12	15.9045	1/11/2008
February 2008	001	00530	Total Suspended Solids	30D Qty	9.1	10.0657	2/1/2008
February 2008	001	80082	CBOD 5 day	1D Qty	12	17.0249	2/1/2008
February 2008	001	80082	CBOD 5 day	30D Qty	7	13.5044	2/1/2008
February 2008	001	00530	Total Suspended Solids	1D Qty	14	19.9393	2/7/2008
February 2008	001	80082	CBOD 5 day	1D Qty	12	23.2626	2/7/2008
February 2008	001	80082	CBOD 5 day	1D Qty	12	14.0726	2/8/2008
February 2008	001	00530	Total Suspended Solids	1D Qty	14	21.6199	2/22/2008
February 2008	001	80082	CBOD 5 day	1D Qty	12	16.9870	2/22/2008
February 2008	001	80082	CBOD 5 day	1D Qty	12	14.0499	2/27/2008
March 2008	001	00530	Total Suspended Solids	30D Qty	9.1	19.3162	3/1/2008
March 2008	001	80082	CBOD 5 day	30D Qty	7	19.4539	3/1/2008
March 2008	001	00530	Total Suspended Solids	1D Qty	14	19.6063	3/5/2008
March 2008	001	80082	CBOD 5 day	1D Qty	12	21.5669	3/5/2008
March 2008	001	00530	Total Suspended Solids	1D Qty	14	37.0551	3/7/2008
March 2008	001	80082	CBOD 5 day	1D Qty	12	18.5275	3/7/2008
March 2008	001	80082	CBOD 5 day	1D Qty	12	17.6229	3/12/2008
March 2008	001	80082	CBOD 5 day	1D Qty	12	28.4404	3/14/2008
March 2008	001	00530	Total Suspended Solids	1D Qty	14	43.7243	3/19/2008
March 2008	001	80082	CBOD 5 day	1D Qty	12	20.7115	3/19/2008
March 2008	001	00530	Total Suspended Solids	1D Qty	14	15.1021	3/21/2008
March 2008	001	80082	CBOD 5 day	1D Qty	12	17.2596	3/21/2008
March 2008	001	80082	CBOD 5 day	1D Qty	12	13.0582	3/26/2008
March 2008	001	80082	CBOD 5 day	1D Qty	12	18.4443	3/28/2008
April 2008	001	80082	CBOD 5 day	30D Qty	7	10.0198	4/1/2008
April 2008	001	80082	CBOD 5 day	1D Qty	12	14.031	4/2/2008
April 2008	001	80082	CBOD 5 day	1D Qty	12	19.8788	4/4/2008
April 2008	001	00530	Total Suspended Solids	1D Qty	14	15.6244	4/11/2008
April 2008	001	80082	CBOD 5 day	1D Qty	12	12.6948	4/11/2008