



**Environmental
Protection Agency**

**John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director**

Re: Richland County
Village of Butler WWTP
NPDES Permit

January 12, 2011

Mr. Eric McAuley
Village of Butler WWTP
33 Elm Street
P. O. Box 307
Butler, Ohio 44822

Dear Mr. McAuley:

On January 6, 2011, an inspection was made of the Village of Butler's wastewater treatment plant. You were present along with Lonnie McGhee, the Village's contract operator, during the inspection to answer any questions regarding plant operations. At the time of the inspection all major treatment units were in operation.

During the inspection both of the flow equalization (EQ) tanks were full due to recent rains. The Imhoff and circular primary tank were both in service. Both of the RBC units and secondary clarifiers were in operation. The discharge from the treatment plant was relatively clear at the time of the inspection.

During the inspection we discussed the plant's onsite laboratory. A new balance has been purchased in recent months to replace a very antiquated and outdated model. We discussed the cleaning of the glassware used in analysis. Several of the beakers and bottles have become stained or discolored after years of use. Mr. McGhee mentioned soaking the glassware in a chromic solution to clean it. If this is unsuccessful the glassware should be replaced. We also discussed the need to keep a log for each piece of equipment in the lab. For example a log of the pH calibration, oven temperatures, and D.O. probe calibrations.

We also discussed the compliance schedule included in the NPDES permit. The first milestone is to submit a Permit to Install for upgrades no later than November 1, 2012. You mentioned that the manhole rehabilitation work is almost completed. Once this work is finished, a report should be submitted to our office detailing the work performed on each of the manholes in the project.

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A review of the discharge monitoring reports submitted to our office for the period of June through November 2010, revealed several **violations** of the limits contained in your permit. A printout of these violations has been enclosed for your review.

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

Sincerely,



Walter Ariss
Environmental Specialist II
Division of Surface Water

/llr

Enclosure

pc: TDSW-NWDO File w/enclosure
Mayor Jeffery Sellers, Village of Butler

Village of Butler 1/6/2011 - VISUAL OBSERVATION - UNIT PROCESS

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

CONDITION OR APPEARANCE		RATING	COMMENTS
General	Grounds	S	
	Buildings	S	
	Potable Water Supply Protection	-	
	Safety Features	S	
	Bypasses	OUT	
	Alternate Power Source	None	
Preliminary	Maintenance of Collection Systems	M	Phase II of manhole rehab almost complete
	Bar Screen	IN	1 fixed screen
	Disposal of Screenings	S	Landfill
	Comminutor	IN	
	Flow EQ	IN	Both tanks full from rain event around first of year
Primary	Settling Tanks	IN	1 circular primary
	Imhoff Tank	IN	
	Sludge Removal	OUT	Sludge pumped as necessary
	Effluent	S	
	Pumps to RBCs	IN	
Sludge Disposal	Digesters	IN	2 aerobic
	Temperature and pH	S	
	Sludge Pumps	OUT	Sludge pumped as needed to digestors
	Disposal of Sludge	S	Land applied
Other	Flow Meter and Recorder	IN	
	Records	S	
	Lab Controls	M	Discussed glassware cleaning and need to keep log books.
Secondary-Tertiary List items as	RBC Units	IN	Both units in service. Drive motor on east unit should be checked for noise.
	Blowers	IN	2 in service, air supply for sludge digestors, Flow EQ, post aeration, 2 backup
	Secondary Clarifiers	IN	2 units, very clear effluent, tanks have a dark green tint
Disinfection	Effluent	S	
	Disinfection System	OUT	chlorine gas
	Effective Dosage		
	Contact Time		
	Contact Tank	IN	
	Dechlorination	OUT	Liquid
	Post Aeration	IN	

Get New Data

Village of Butler WWTP NPDES permit limit violations June through November 2010

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PA00044*FD	June 2010	001	80082	CBOD 5 day	30D Qty	7.0	11.0332	6/1/2010
2PA00044*FD	June 2010	001	80082	CBOD 5 day	7D Qty	12.0	18.6695	6/8/2010
2PA00044*FD	August 2010	001	00530	Total Suspended Solids	30D Conc	20.0	34.875	8/1/2010
2PA00044*FD	August 2010	001	00530	Total Suspended Solids	30D Qty	9.1	10.2767	8/1/2010
2PA00044*FD	August 2010	001	31616	Fecal Coliform	30D Conc	1000	6500.	8/1/2010
2PA00044*FD	August 2010	001	00530	Total Suspended Solids	7D Conc	30.0	66.5	8/15/2010
2PA00044*FD	August 2010	001	00530	Total Suspended Solids	7D Qty	14.0	17.1895	8/15/2010
2PA00044*FD	August 2010	001	00530	Total Suspended Solids	7D Conc	30.0	46.	8/22/2010
2PA00044*FD	August 2010	001	00530	Total Suspended Solids	7D Qty	14.0	15.4390	8/22/2010
2PA00044*FD	August 2010	001	31616	Fecal Coliform	7D Conc	2000	6500.	8/22/2010
2PA00044*FD	September 2010	001	80082	CBOD 5 day	7D Conc	25.0	42.4	9/1/2010
2PA00044*FD	September 2010	001	31616	Fecal Coliform	7D Conc	2000	AK	9/17/2010
2PA00044*FD	September 2010	001	31616	Fecal Coliform	7D Conc	2000	AK	9/10/2010
2PA00044*FD	September 2010	001	31616	Fecal Coliform	7D Conc	2000	AK	9/3/2010
2PA00044*FD	October 2010	001	80082	CBOD 5 day	30D Conc	15.0	15.3571	10/1/2010
2PA00044*FD	October 2010	001	31616	Fecal Coliform	7D Conc	2000	3400.	10/8/2010
2PA00044*FD	October 2010	001	50060	Chlorine, Total Residu	1D Conc	0.038	.1	10/15/2010
2PA00044*FD	October 2010	001	50060	Chlorine, Total Residu	1D Conc	0.038	.3	10/18/2010
2PA00044*FD	October 2010	001	50060	Chlorine, Total Residu	1D Conc	0.038	.2	10/19/2010
2PA00044*FD	October 2010	001	50060	Chlorine, Total Residu	1D Conc	0.038	.4	10/20/2010
2PA00044*FD	October 2010	001	50060	Chlorine, Total Residu	1D Conc	0.038	.2	10/21/2010
2PA00044*FD	October 2010	001	50060	Chlorine, Total Residu	1D Conc	0.038	.1	10/22/2010
2PA00044*FD	October 2010	001	31616	Fecal Coliform	7D Conc	2000	2000.	10/22/2010
2PA00044*FD	October 2010	001	50060	Chlorine, Total Residu	1D Conc	0.038	.26	10/26/2010
2PA00044*FD	October 2010	001	50060	Chlorine, Total Residu	1D Conc	0.038	.27	10/27/2010
2PA00044*FD	October 2010	001	50060	Chlorine, Total Residu	1D Conc	0.038	.1	10/28/2010
2PA00044*FD	October 2010	001	50060	Chlorine, Total Residu	1D Conc	0.038	.06	10/29/2010