



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: Erie County
Huron Basin WWTP
Mittawanga-Ruggles WWTP
NPDES Permit

May 30, 2008

Mr. Jack Meyers, PE
Sanitary Engineer
Erie County Department of Environmental Services
P.O. Box 469
Huron, Ohio 44839

Dear Mr. Meyers:

On May 15, 2008, compliance inspections were made at the Huron Basin and Mittawanga-Ruggles WWTP. Mr. Gary Eckler, Superintendent, was present and provided information on plant operations. The inspections consisted of an interview utilizing a compliance checklist reviewing major areas of facility operations, and a walkthrough of the plant. In general, both operation and maintenance remain good, and a clear final effluent was observed being discharged from both plants. Our comments and recommendations are as follows:

Huron Basin

- 1) On March 27th a public hearing was held for a proposed NPDES permit modification to include final table effluent mercury variance limits. The comment period has expired; however, we are experiencing an administrative backlog in our Central Office. We will complete processing the application as soon as possible.
- 2) Construction was completed in November 2007 and the following improvements since our last inspection are now in service. The new headworks has been completed which has eliminated further overflows and the third RBC train is online for enhanced ammonia removal. These improvements were done in order to comply with your NPDES permit compliance schedule. An existing wet weather holding tank was converted to a third primary tank, and new fine screens were added.

Mr. Jack Meyers, P.E.
May 30, 2008
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- 3) Discharge monitoring reports are being received in a timely manner and indicated only one TSS final effluent loading violation of your NPDES permit since our last inspection. This occurred following an extremely large rain event, which also resulted in an overflow at the recently renovated Cleveland Road lift station. Apparently, there was no automatic transfer switch installed to the back up generator. This outage resulted in some local basement flooding and is being addressed by the addition of a switch.
- 4) The secondary digester lid is out of service due to a bad bearing. A new bearing is on order and is hoped to be installed this summer.
- 5) Once again, Mr. Bob Sennish and Ms. Kelly Decker, your lab personnel, received the highest rating in the latest USEPA laboratory quality assurance analysis program.

Mittawanga-Ruggles

We recently received a status report as required in your Schedule of Compliance on the ability to meet final table E. Coli limits by the 2010 disinfection season. The current hypochlorite/ dechlorination system had limited success meeting the final limit during the 2007 season and modifications to the flow paced feed system have been made for this season. Should these prove ineffective it may be necessary to switch to ultraviolet disinfection. Also, six manholes were rehabilitated in a continued effort to reduce infiltration/inflow (I/I) in the collection system. Two concentration violations and one loading violation were reported since last inspection.

Please find enclosed our completed inspection reports. If you have any questions, please feel free to call me at (419) 373-3020 or email rick.zuzik@epa.state.oh.us.

Sincerely,



Richard A. Zuzik, MSE
Division of Surface Water

/csl

pc: Gary Eckler, Supt. w/enclosures
DSW, NWDO file

GUIDE - 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	S	
	SAFETY FEATURES	S	
	BYPASSES	OUT	
	STORMWATER OVERFLOWS	-	
PRELIMINARY	MAINTENANCE OF COLLECTION SYSTEMS	S	6 MH's Rehabilitated
	PUMP STATION	I	
	VENTILATION	S	
	BAR SCREEN	OUT	Bypass
	DISPOSAL OF SCREENINGS	S	landfill
	COMMINUTOR	IN	
	GRIT CHAMBER	-	
	DISPOSAL OF GRIT	-	
PRIMARY	SETTLING TANKS	/	
	SCUM REMOVAL	/	
	SLUDGE REMOVAL	/	
	EFFLUENT	/	
SLUDGE DISPOSAL	DIGESTERS	IN	Aerated
	TEMPERATURE AND PH	-	
	GAS PRODUCTION	-	
	HEATING EQUIPMENT	-	
	SLUDGE PUMPS	IN	
	DRYING BEDS	-	
	VACUUM FILTER	-	
	INCINERATION	-	
DISPOSAL OF SLUDGE	S	Transferred to Huron Basin	
OTHER	FLOW METER AND RECORDER	IN	Ultrasonic
	RECORDS	S	
	LAB CONTROLS	S	
SECONDARY-TERTIARY (LIST ITEMS AS REQUIRED)	Contact Stab	IN	3 tanks (2 reparation, 1 contact) fine bubble diffusers
	Final Settling	IN	
	Effluent Pumps	IN	10" line extending 1350' to Lake Erie
CHLORINE	EFFLUENT	S	Clear
	CHLORINATORS / Dechlor	IN	
	EFFECTIVE DOSAGE	S	Trouble meeting E. Coli NOT Fecal
	CONTACT TIME	S	
	CONTACT TANK	IN	
	Post Air	IN	

ANNUAL BUDGET FOR MAINTAINING AND OPERATING PLANT

SALARIES & WAGES	ELECTRICITY	CHEMICALS	MAINTENANCE	STAFFING & TRAINING	OTHER	TOTAL

ERIE COUNTY
DEPARTMENT
OF
ENVIRONMENTAL SERVICES

January 17, 2008

Rick Zuzik
OHIO ENVIRONMENTAL PROTECTION AGENCY
Northwest District
347 N. Dunbridge Road
Bowling Green, OH 43402

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JAN 18 2008
OHIO E.P.A.
N.W.D.O.

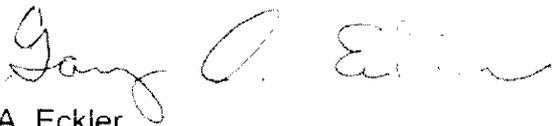
RE: E. COLI SCHEDULE OF COMPLIANCE – ERIE COUNTY – MITTAWANGA RUGGLES

Dear Rick,

The e.coli limit of 126/100ml at the 2PH00011001 for the Mittawanga Ruggles facility requires a 15 month status report on the ability of the treatment facility to meet this effluent limit. The e.coli results with the present hypochlorite/dechlorination system had limited success in meeting this new limit in 2007. I have installed an additional part from our instrumentation firm that will allow for an increase hypochlorite flow paced feed. I will continue to monitor these results in 2008 for compliance. I also had a meeting with Pelton Environmental, the supplier of our ultraviolet disinfection system at Sawmill Creek, to look again at this facility for an upgrade to ultraviolet disinfection. They now believe that a UV system can be retrofitted in our present disinfection contact tank. I will proceed with this alternative should the changes made to the hypochlorite system in late 2007 prove unsuccessful.

I met with Pelton Environmental in 2005, but was unable to purchase a unit that could be installed without expensive structural changes. We also did a pilot study with PAA in 2002 to meet our fecal coliform limit. This study was not successful at this facility.

Sincerely,
DEPARTMENT OF ENVIRONMENTAL SERVICES



Gary A. Eckler
Wastewater Treatment Superintendent

Cc Jack Meyers
Cc file

ADMINISTRATIVE SERVICES
ENVIRONMENTAL SERVICES
ENVIRONMENTAL SERVICES DIVISION
SOLID WASTE DIVISION
WASTEWATER TREATMENT DIVISION
WASTEWATER TREATMENT DIVISION
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554 River Road
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TEL: (419) 433-7303
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WASTEWATER TREATMENT
P.O. Box 549
2900 Columbus Avenue
Sandusky, Ohio 44870
TEL: (419) 627-7638
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LANDFILL DIVISION
10102 Hoover Road
Milan, Ohio 44846
TEL: (419) 433-5023
FAX: (419) 433-6669
FAX: (419) 627-7620

WATER DIVISION
2614 Columbus Avenue
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