Ohio | Environmental Protection Agency

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

Re: Ashland County
Village of Loudonville WWTP
NPDES Permit

April 12, 2011

Mr. Keith Edgington, Superintendent
Village of Loudonville WWTP
P. O. Box 150
Loudonville, Ohio 44842

Dear Mr. Edgington:

On March 17, 2011, an inspection was made of the Loudonville WWTP located at 701 Wally Road, Loudonville, Ashland County. You were present to provide a tour of the facilities and answer any questions. At the time of the inspection all major treatment units were in operation and appeared to be functioning normally. A clear final effluent was being discharged to the Black Fork of the Mohican River.

During the inspection we discussed the recent heavy rain and snow melt and the effect of river flooding on the treatment plant. During the recent event the river water was flowing into the plant through the diversion chamber at the head of the treatment plant. We discussed the need to install a better mechanism to prevent this from occurring, such as a slide gate in the chamber or Tideflex valve at the end of the pipe or in the chamber.

A review of the discharge monitoring reports submitted to our office for the period of August 2010 through February 2011 revealed three violations of the limits contained in your NPDES permit. A fecal coliform violation occurred in August and two pH violations occurred in October 2010. The Village has already provided an explanation as to the suspected cause of the violations.

Sincerely,

Walter Ariss
Environmental Specialist II
Division of Surface Water

/cs
Enclosure
pc: DSW-NWDO File

Northwest District Office
347 North Dunbridge Road
Bowling Green, OH 43402-9398

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Loudonville WWTP 3-17-201

# 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 | Need to install better backflow prevention in head works diversion chamber |
| | | | |
| | Alternate Power Source | OUT | Generator exercised regularly |
| | Maintenance of Collection Systems | S | Check system for sediment buildup caused by recent flooding |
| Preliminary | | | |
| | Influent Pump Station | IN | Use three of the four pumps on a rotating basis |
| | Ventilation | S | |
| | Bar Screen | IN | 1 Mechanical, |
| | Disposal of Screenings | S | Landfill |
| | Comminutor | OUT | Used as backup to mechanical screen |
| | | | |
| | | | |
| | | | |
| | | | |
| Primary | Settling Tanks | IN | 2 tanks |
| | Scum Removal | IN | |
| | Sludge Removal | IN | |
| | Effluent | S | |
| | | | |
| | | | |
| Sludge Disposal | Digesters | IN | 1 aerobic |
| | Temperature and pH | S | |
| | Sludge Pumps | OUT | 2 pumps used to waste |
| | Disposal of Sludge | S | Land applied |
| | Sludge drying beds | IN | In process of cleaning several beds |
| | Sludge holding blowers | IN | One in use/ one standby |
| | | | |
| | | | |
| | | | |
| | | | |
| Other | Flow Meter and Recorder | IN | |
| | Records | S | |
| | Lab Controls | S | |
| | | | |
| | | | |
| Secondary-Tertiary List items as | Aeration Tanks | IN | 2 Tanks |
| | Blowers | IN | 1 blower in service, 2 backup |
| | Secondary Clarifiers | IN | 2 units |
| | Lagoon | IN | |
| | | | |
| | | | |
| | | | |
| Disinfection | Effluent | S | |
| | Disinfection System | OUT | chlorine gas |
| | Effective Dosage | | |
| | Contact Time | | |
| | Contact Tank | IN | |
| | Dechlorination | OUT | Liquid |
| | Post Aeration | IN | |