OhioEPA

State of Ohio Environmental Protection Agency

Northeast District Office

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Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director

December 17, 2008

RE: TRUMBULL COUNTY
COUNTY-OPERATED
PACKAGE WWTPS

Mr. Rex Fee, Executive Director
Trumbull County Sanitary Engineer
7500 Anderson Avenue, N.E.
Warren, Ohio 44484

Dear Mr. Fee:

On November 18, 2008, I met with Mr. Bill Durst and proceeded to conduct inspections of the following County "package" wastewater treatment plants: Fox Den WWTP, Logan Arms WWTP, Mecca WWTP, Newton Falls #2 WWTP, Vienna WWTP, and Warren #3 WWTP.

The purpose of the inspections was to evaluate the operational compliance of the respective facilities with the terms and conditions of the respective NPDES permits.

Treatment Plant Descriptions:

Fox Den WWTP: NPDES Permit No. OH0112216/Ohio EPA Permit No. 3PG00148

The treatment components consist of a trash trap, flow equalization basin, 28,000 gpd extended aeration activated sludge treatment process, final settling tank, slow surface sand filter, and UV disinfection. Sludge handling consists of an aerated sludge holding tank. The final effluent discharges to an unnamed tributary of Crab Creek.

Logan Arms WWTP: NPDES Permit No. OH0092568/Ohio EPA Permit No. 3PG00141

The wet-stream treatment components consist of a comminutor, 50,000 gpd extended aeration activated sludge treatment process, final settling tank, slow surface sand filtration, and UV disinfection. Sludge handling consists of an aerated sludge holding tank. The final effluent discharges to Crab Creek.

Mecca WWTP: NPDES Permit No. OH0091634/Ohio EPA Permit No. 3PG00104

The wet-stream treatment components consist of a comminutor/bar screen, 55,000 gpd extended aeration activated sludge treatment process, final settling tank, slow surface sand filtration, and UV disinfection. Sludge handling consists of an aerated sludge holding tank. The final effluent discharges to Mosquito Lake via a submerged outfall.

Newton Falls #2 WWTP: NPDES Permit No. OH0091642/Ohio EPA Permit No. 3PG00105

The treatment components consist of a trash trap, influent pump station, 12,500 gpd extended aeration activated sludge treatment process, final settling tank, slow surface sand filtration, and UV disinfection. The final effluent discharges to an unnamed tributary of Duck Creek.

Vienna: NPDES Permit No. OH0097993/Ohio EPA Permit No. 3PG00144

The treatment components consist of an airlift pump station, 18,980 gpd extended aeration activated sludge treatment process, final settling tank, slow surface sand filtration and UV disinfection. The final effluent discharges to an unnamed tributary of Squaw Creek.

Warren # 3: NPDES Permit No. OH0091651/Ohio EPA Permit No. 3PG00106

The treatment components consist of a trash trap, influent pump station, 12,500 gpd extended aeration activated sludge treatment process, final settling tank, and UV disinfection. The final effluent discharges to the Mahoning River.

Inspection Findings/Compliance Status

At the time of the inspection, the overall operational performance of the treatment processes and equipment at the respective facilities appeared to be satisfactory. Each of the treatment plants was producing an effluent of visually-clear quality. As evidenced in the attached pictures, there were no visual indications of degradative impacts in the respective receiving streams.

The following site-specific observations and comments were noted and discussed with Mr. Durst:

- The wall separating the sludge holding tank from the aeration tank at Logan Arms appears to be compromised or failing (i.e. north tank).
- Improved access, particularly during inclement weather conditions, needs to be provided to the EQ basin at Fox Den.
- Plant operators must ensure that tank gratings are placed back into position upon completion of the required O&M tasks (Fox Den/Logan Arms).

Listed below is a summary list of effluent violations at the respective facilities for the period September 2007 through November 2008:

Fox Den WWTP						
Reporting Period	Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
April 2008	001	Total Suspended Solids	7D Conc	18	34.	4/15/2008
July 2008	NO DMR SUBMITTED (*)					

Logan Arms WWTP						
Reporting Period	Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
[illegible] 2008	NO DMR SUBMITTED (*)					

Mecca WWTP						
Reporting Period	Station	Parameter	Limit Type	Limit	Reported Value	Violation Date

September 2007	001	Fecal Coliform	7D Conc	2000	9800.	9/8/2007
November 2007	001	Total Suspended Solids	7D Conc	18	21.	11/22/2007
November 2007	001	pH	1D Conc	9.0	9.2	11/27/2007
September 2008	001	Nitrogen, Ammonia (NH3	30D Conc	1.5	4.25333	9/1/2008
September 2008	001	Nitrogen, Ammonia (NH3	30D Qty	0.31	.61145	9/1/2008
September 2008	001	Nitrogen, Ammonia (NH3	7D Conc	2.25	6.085	9/15/2008
September 2008	001	Nitrogen, Ammonia (NH3	7D Qty	0.47	.87597	9/15/2008
July 2008	**NO DMR SUBMITTED (*)**					

Newton Falls #2 WWTP						
Reporting Period	**Station**	**Parameter**	**Limit Type**	**Limit**	**Reported Value**	**Violation Date**
July 2008	NO DMR SUBMITTED (*)					

Vienna WWTP						
Reporting Period	**Station**	**Parameter**	**Limit Type**	Limit	**Reported Value**	**Violation Date**
July	NO DMR SUBMITTED (*)					

Warren #3 WWTP						
Reporting Period	**Station**	Parameter	Limit Type	Limit	Reported Value	**Violation Date**
July 2008	**NO DMR SUBMITTED (*)**					

(*) The required report should be submitted via Ohio EPA's eBusiness Center (www.ebiz.epa.ohio.gov).

Please be advised that failure to comply with the terms and conditions of your NPDES permit may be subject to enforcement actions pursuant to Chapter 6111 of the Ohio Revised Code. Such actions can result in fines of up to $10,000 per day of violation. Please inform this office, in writing, within 10 days of receipt of this notification as to the actions taken or proposed to address the above violation and/or deficiencies. Your response ***shall*** include specific dates for completion of the actions. Please be advised that past or present issues of noncompliance can continue as subjects of future enforcement actions by Ohio EPA.

Should you have any questions or comments regarding this letter, please contact this office.

Respectfully,

Ermelindo Gomes
Environmental Engineer
Division of Surface Water

EG//mt

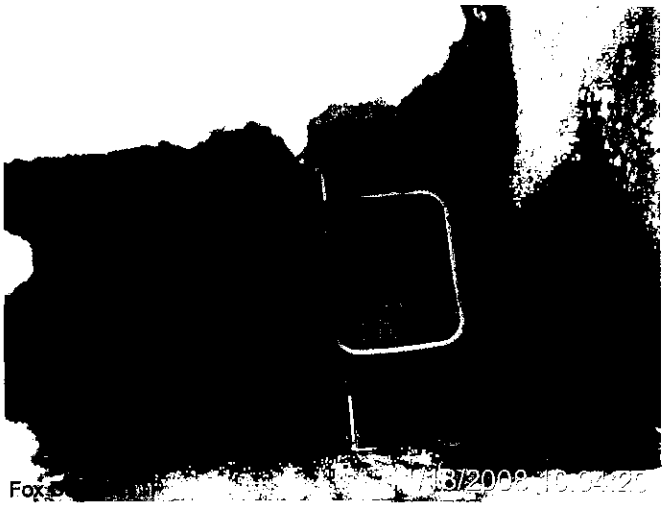
Attachment: Pictures

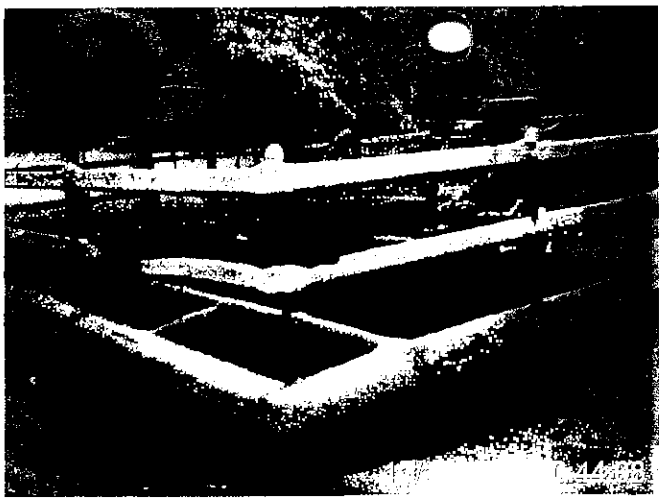
Logan Arms WWTP
11/18/2008 09:31:34

Logan Arms WWTP

Fox Den WWTP
11/18/2008 09:57:00

Fox Den WWTP





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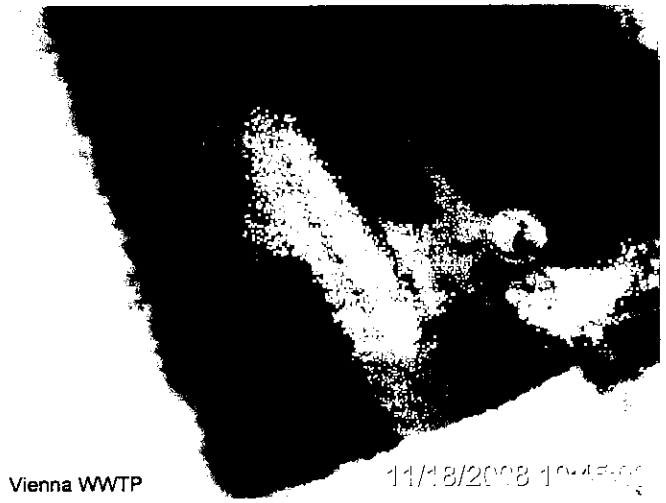
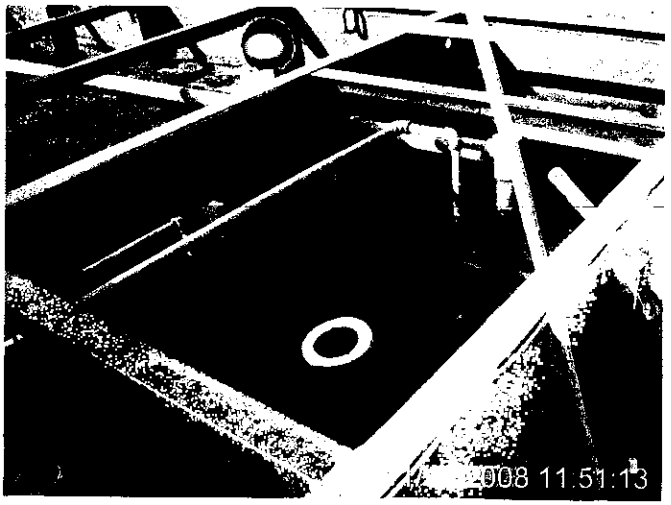

Vienna WWTP

11/18/2008 10:50:02

11/18/2008 11:26:19

Warren # 3 WWTP

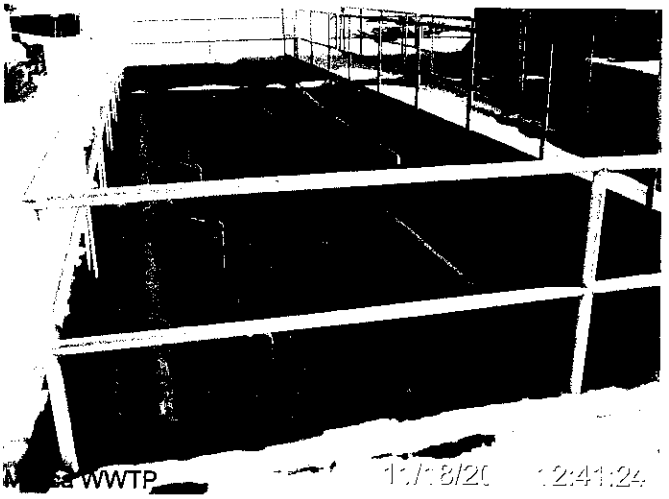
11/18/2008 11:51:06

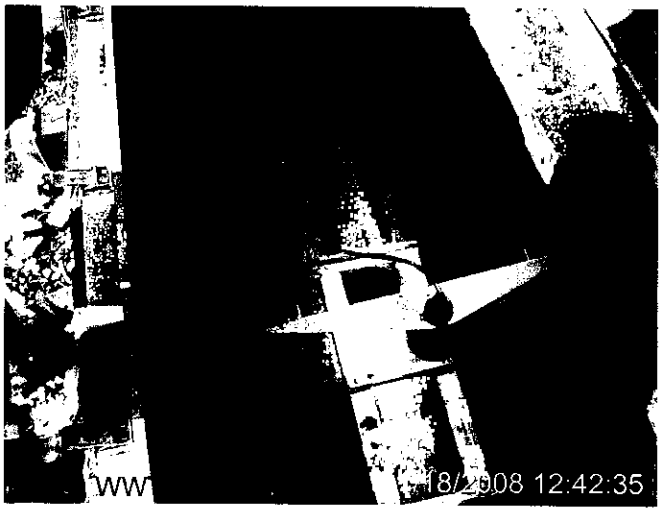
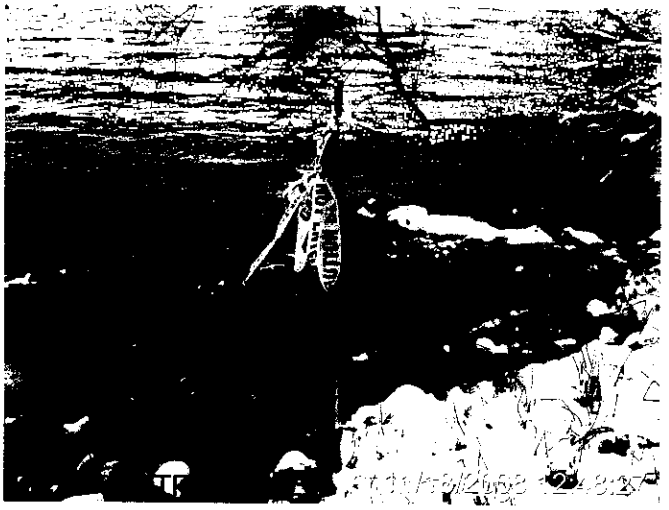

11/18/2008 11:51:13

11/18/2008 11:51:19

11/18/2008

Mecca WWTP
11/18/2008 12:39:04


WWTP


18/2008 12:42:35