



**Environmental
Protection Agency**

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

August 3, 2012

Re: Washington County
Frontier High School
NPDES Permit OPT00005*ED
Application OH0059323
Compliance Evaluation Inspection
Correspondence (PWW)

Mr. Bruce Kidder, Superintendent
Frontier Local School District
44870 State Route 7
New Matamoras, Ohio 45767

Dear Mr. Kidder:

On July 18, 2012, a Compliance Evaluation Inspection (CEI) was conducted at Frontier High School's wastewater treatment plant. The purpose of the inspection was to determine Frontier's compliance with its National Pollutant Discharge Elimination System (NPDES) Permit. Present for the inspection were Karen Bookman representing Frontier and Stephen Wells representing Ohio EPA, Division of Surface Water, Southeast District Office. A follow-up phone conversation was also done on July 25, 2012 with Greg Danver, the contract operator for the facility. A copy of my inspection report is attached. No wastewater samples were collected as part of the inspection.

As a result of my inspection, I have the following comments:

1. The final weirs in the clarifier had some build-up. Frontier needs to clean the final weirs on a regular basis to help prevent NPDES permit effluent violations. The contractor operator should be informed when the weirs are cleaned.
2. Frontier has had continuing NPDES permit effluent violations for different parameters. The effluent violations are dropping as adjustments are being made to the operations of the plant. One problem that has now occurred is the lack of flow due to school being out of session. Mr. Danver will continue making operational adjustment once school is back in session to remedy the NPDES Permit effluent violations.

In conclusion, the Frontier Local School District was in marginal compliance with its NPDES Permit at the time of inspection, due to the NPDES effluent violations, but Frontier to taking action to correct the effluent violations.

If you have any questions, feel free to contact me at (740) 380-5434.

Sincerely,

A handwritten signature in blue ink, appearing to read "Stephen Wells".

Stephen Wells
District Representative
Division of Surface Water

SW/dh

Enclosure

c: Greg Danver



State of Ohio Environmental Protection Agency
Southeast District Office

Semi-Public NPDES Compliance Inspection Report

| Section A: National Data System Coding | | | | | |
|--|-----------|--------------------|-----------------|-----------|---------------|
| Permit # | NPDES # | Month/Day/Year | Inspection Type | Inspector | Facility Type |
| OPT00005*FD | OH0059323 | July 18 & 25, 2012 | C | S | 1 |

| Section B: Facility Data | | |
|--|-----------------|------------------------|
| Name and Location of Facility Inspected | Entry Time | Permit Effective Date |
| Frontier High School 44870 State Route 7 New Matamoras, Ohio 45767 | 10:45 a.m. | November 1, 2011 |
| | Exit Time | Permit Expiration Date |
| | 11:20 a.m. | October 31, 2016 |
| Name(s) and Title(s) of On-Site Representatives | Phone Number(s) | |
| Karen Bookman, Custodian | (740) 865-2400 | |
| Name(s), Address and Title(s) of Operator of Record | Phone Number(s) | |
| Greg Danver | (740) 516-3400 | |
| Name, Address, and Title of Responsible Official | Phone Number | |
| Bruce Kidder, Superintendent 44870 State Route 7 New Matamoras, Ohio 45767 | (740) 865-2400 | |

| Section D: Summary of Findings (attach additional sheets if necessary) | | | |
|--|--------|---|--------|
| | | | |
| Inspector | | Reviewer | |
|  | 8/3/12 |  | 8/6/12 |
| Stephen Wells Division of Surface Water Southeast District Office | Date | Jennifer M. Witte Compliance & Enforcement Supervisor Division of Surface Water Southeast District Office | Date |

| | |
|----------------------------|---------------------------|
| Average Daily Design Flow: | 10,000 Gallons/Day |
| Plant Serves: | School |
| Average Daily Flow: | 1,800 Gallons/Day |
| (Period of Review): | (2/1/11 - 5/31/12) |
| Method of flow monitoring: | Water Usage |
| Type of alarms for plant: | Light |

Pretreatment

Type of Pretreatment: **Trash Trap**
 Does the Trash Trap need pumped: **Yes**
 Maintenance of pretreatment components is: **Excellent**

Comments/Status:

Secondary Treatment (Aeration)

Color of sludge: **Medium Brown**
 Quality of sludge: **Medium**
 Foam: **None Present**
 Odor: **No objectionable odor present**

| | Yes | No | | Yes | No |
|----------------------------|-------------------------------------|--------------------------|------------------------|-------------------------------------|-------------------------------------|
| Aeration is taking place | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Plant is septic | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Blowers are operating | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Blowers are on a timer | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Skimmers are operating | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Plant is flooded | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Diffusers are operating | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Grating is present | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Sludge return is operating | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | | |

Maintenance of aerating equipment is: **Excellent**

Comments/Status:

Operator runs the blower continuously

Secondary Treatment (Settling)

Clarity: **Clear**
Condition of Weir: **Excessive Algae/Solids Build Up**
Weir is level: **Yes**
Effluent in weir: **Clear**
Clarifier walls need scraped: **No**

Overall maintenance of settling components is:

Comments/Status:

The clarifier weirs need to be cleaned on a more frequent basis.

Tertiary Treatment

| | Yes | No | | Yes | No |
|-----------------------------------|--------------------------|--------------------------|------------------------|--------------------------|--------------------------|
| Surface sand filters: Slow | <input type="checkbox"/> | <input type="checkbox"/> | Subsurface | <input type="checkbox"/> | <input type="checkbox"/> |
| Distribution box operating | <input type="checkbox"/> | <input type="checkbox"/> | Beds alternated | <input type="checkbox"/> | <input type="checkbox"/> |
| Are filters ponding/flooding | <input type="checkbox"/> | <input type="checkbox"/> | Beds raked | <input type="checkbox"/> | <input type="checkbox"/> |
| Sand filters overgrown | <input type="checkbox"/> | <input type="checkbox"/> | Chlorination present | <input type="checkbox"/> | <input type="checkbox"/> |
| UV present | <input type="checkbox"/> | <input type="checkbox"/> | Dechlorination present | <input type="checkbox"/> | <input type="checkbox"/> |

Overall maintenance of settling components is: **Excellent**

Comments/Status:

Sludge Handling/Storage Disposal

Hauler name: Haas Septic
Disposal site: Matamoras WWTP
Sludge wasted from: Clarifier
How often is sludge wasted: 2/year
Sludge drying beds: **No** Sludge holding tank: **No**

Overall maintenance of settling components is: **Excellent**

Comments/Status:

Record Keeping/Operator of Record

- (a) Wastewater Treatment Works classification (OAC 3745-7) A
- (b) Operator of Record holds unexpired license of class required by Permit..... Y
- (c) Copy of certificate of Operator of Record displayed on-site Y
- (d) Has the Operator of Record submitted an ORC Notification form Y
- (e) Minimum operator staffing requirements fulfilled (OAC 3745-7)..... Y
- (f) If a Staffing Reduction plan has been approved, are the stipulations of the plan being met..... Y
- (g) Operator of Record log book provided..... Y
- (h) Format of log book (e.g. computer log, hard bound book)

| |
|-----------------------|
| Bound notebook |
|-----------------------|
- (i) Log book kept onsite (in an area protected from weather) N
- (j) Log book contains the following:
 - I. Identification of treatment works..... Y
 - II. Date/times of arrival/departure for Operator of Record and any other operator required by OAC 3745-7..... Y
 - III. Daily record of operator and maintenance activities (including preventative maintenance, repairs and request for repairs, process control test results, etc.) Y
 - IV. Laboratory results (unless documented on bench sheets) Y
 - V. Identification of person making entries Y
- (k) Has the Operator of Record submitted written notifications to the permittee, Ohio EPA and, if applicable, any local environmental agencies when a collection system overflow, treatment plant bypass or effluent limit violation has occurred Y

Comments/Status:

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| Operator of Record keeps logbook with him. |
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Plant Discharge

Discharge point is a: **Stream**
Name of discharge point: **Ohio River**
Discharge is visible: **No**
Quality of Effluent: **Clear**

Comments/Status:

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| Effluent was observed at final weir. |
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