



State of Ohio Environmental Protection Agency

Northwest District Office

347 North Dunbridge Road  
Bowling Green, OH 43402-9398

TELE: (419) 352-8461 FAX: (419) 352-8466  
www.epa.state.oh.us

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

Re: Richland County  
Crestview Local Schools  
NPDES General Permit

November 6, 2009

Mr. William Seder, Jr., Superintendent  
Crestview Local Schools  
1575 State Route 96  
Ashland, Ohio 44805

Dear Mr. Seder:

On October 29, 2009, an inspection was made of the wastewater treatment facilities serving the Crestview Local Schools located at 1575 State Route 96, Weller Township, Richland County. Mr. Gene Esbenshade of your staff was present to answer questions.

At the time of the inspection all major treatment units were in operation. A few concerns were noted as follows. The air release valves and check valves on the aeration tank blowers appear to be malfunctioning. The blower was operating; however, an insufficient amount of air was present in the aeration tanks. An excessive amount of air was escaping through the pressure relief valves. Gene indicated that replacement valves have been ordered. It was also observed that one of the check valves appeared to have failed. This was evident by the backup blower spinning backwards. The surface sand filters and sludge drying beds need to be weeded. The weeds in these beds were several feet tall. The beds need to be weeded and raked clean immediately. Gene indicated that the UV disinfection system had been turned off on October 1. I reminded him that the UV system needs to be operated from May 1 to October 31 each year.

A review of the discharge monitoring reports (DMR) submitted to our office for the period of January through September 2009, revealed no violations of the limits contained in your NPDES permit. The review also revealed that the quarterly testing required by the permit was not reported in August 2009. If this sample was not taken a written explanation shall be submitted to our office. A sample should be taken in the month of November and analyzed for the same quarterly parameters as the August sample. Refer to your permit for the sampling requirements. It was noted that the August quarterly sample was missed in 2008 as well. It is essential that the proper sampling frequencies are followed in order to maintain compliance with your permit.



Mr. William Seder Jr., Superintendent  
November 6, 2009  
Page 2

You are in **violation** of your NPDES permit for failure to report all of the required samples in August 2009 and August 2008, as well as failure to submit a DMR for the month of July 2009.

During the inspection we discussed the fact that the small sanitary general NPDES permit expires on December 31, 2009. The draft renewal permit is currently out for public comment. Once the permit is renewed it will be necessary for you to reapply for coverage under the new permit. You will receive notification of this requirement once the general permit is issued final.

It will be necessary for you to contact our office once the check valves and pressure relief valves on the blowers have been repaired. Please also notify us when the sand filters and sludge beds have been weeded and cleaned. The November sampling mentioned above shall be submitted with your required DMR. A paper copy of the results shall also be submitted to our northwest district office in Bowling Green.

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: (DSW:NWDO-File- )  
Gene Esbenshade, Crestview Schools

OHIO ENVIRONMENTAL PROTECTION AGENCY

OPERATION AND MAINTENANCE INSPECTION  
 WWTP'S LESS THAN 25,000 GPD

NPDES Permit No. 26500004

Facility Name Crestview Schools Expiration Date 12/31/2009

Facility Address 1575 SR 96 Date 10/29/09 Time 1:00 am/pm

City Ashland County Richland Township \_\_\_\_\_

Name and Address of Owner \_\_\_\_\_

Person Contacted Gene Esten shade Owner Phone \_\_\_\_\_

Flow: Design 22,000 GPD Present 5,000-10,000 GPD (metered ~~estimated~~)

Trib. Pop. \_\_\_\_\_ (actual - estimated) Weather at time of inspection: Temp 65° cloudy

OEPA Personnel Walter Ariss District NWDO

1. Plant Effluent - Mark Severity No.

| No. | Severity Description | No.                                 | Turbidity    | No.                                 | Odor   | No.                                 | Color     |
|-----|----------------------|-------------------------------------|--------------|-------------------------------------|--------|-------------------------------------|-----------|
| 0   | None                 | <input checked="" type="checkbox"/> | Clear        | <input checked="" type="checkbox"/> | None   | <input checked="" type="checkbox"/> | Colorless |
| 1   | Mild                 |                                     |              |                                     |        |                                     |           |
| 2   | Moderate             |                                     | Light Solids |                                     | Musty  |                                     | Grey      |
| 3   | Serious              |                                     |              |                                     |        |                                     |           |
| 4   | Extreme              |                                     | Heavy Solids |                                     | Septic |                                     | Black     |

2. Effect of effluent on Receiving Stream Name: unnamed tributary

| No. | Severity Description | No.                                 | Turbidity    | No.                                 | Odor   | No.                                 | Color     |
|-----|----------------------|-------------------------------------|--------------|-------------------------------------|--------|-------------------------------------|-----------|
| 0   | None                 | <input checked="" type="checkbox"/> | Clear        | <input checked="" type="checkbox"/> | None   | <input checked="" type="checkbox"/> | Colorless |
| 1   | Mild                 |                                     |              |                                     |        |                                     |           |
| 2   | Moderate             |                                     | Light Solids |                                     | Musty  |                                     | Grey      |
| 3   | Serious              |                                     |              |                                     |        |                                     |           |
| 4   | Extreme              |                                     | Heavy Solids |                                     | Septic |                                     | Black     |

3. a. Plant has \_\_\_\_\_ excellent  good  fair \_\_\_\_\_ poor operation  
 b. Plant has \_\_\_\_\_ excellent \_\_\_\_\_ good  fair \_\_\_\_\_ poor maintenance  
 c. Sand filters have \_\_\_\_\_ excellent \_\_\_\_\_ good  fair  poor maintenance

d. Not operating at expected efficiency due to:

- (1) \_\_\_\_\_ hydraulic overload  
 (2) \_\_\_\_\_ organic/ solids overload  
 (3) \_\_\_\_\_ personnel inefficiency  
 (4) \_\_\_\_\_ equipment failure  
 (5) \_\_\_\_\_ wastes  
 (6) \_\_\_\_\_

| Disinfection: (Required May 1 thru Oct.31.) |  |
|---|--|
| IN  | OUT                                      |
| _____                                       | _____ Chlorination Tablets               |
| _____                                       | _____ Dechlorination Tablets             |
| _____                                       | <input checked="" type="checkbox"/> U.V. |

Yes No

4.  Compliance with NPDES Permit

Periodic Violations Y  N  Parameters: failure to sample  
 Chronic Violations \_\_\_\_\_

5.  Adequate plant safety

6.  Operation and Maintenance Service Name \_\_\_\_\_

Frequency of Visits \_\_\_\_\_

Facility Name: Crestview Schools

| Process             | # Units | Unit   | If Needed - Description and Comments                               |
|---------------------|---------|--|--|
| Preliminary         | 2       | Trash Trap   | Pumping Frequency:<br><i>pumped this past summer</i>               |
|                     | 2       | Grease Trap  | Pumping Frequency:<br><i>pumped this past summer</i>               |
|                     |         | Bar Screen   |  |
|                     |         | Comminutor   |  |
|                     | 2       | Flow Equalization                                    | <i>okay</i>  |
| Aeration Equipment  |         | Plant Timer <u>Y</u> <del>N</del>                    | Cycle Time:<br><i>air pressure release to check</i>                |
|                     | 2       | Motor/ Blower Unit <i>running</i>                    | <i>Valves need replaced</i>  |
| Secondary Treatment |         | Aeration Tank  | Color: <i>good color</i>   |
|                     | 2       | <i>not enough air in tanks to maintain good cell</i> | Adequate Aeration: Y <u>N</u>                                      |
| Final Settling      | 2       | Clarifier  | <i>okay</i>  |
|                     | 2       | Sludge Return  | In <u>X</u> Out <u>    </u>  |
|                     | 2       | Surface Skimmer                                      | In <u>X</u> Out <u>    </u>  |
|                     |         | Fixed Media Clarifier                                |  |
| Tertiary Treatment  | 2       | Surface Sand Filter                                  | <i>Both beds completely overgrown<br/>Need cleaned immediately</i> |
|                     |         | Polishing Pond                                       |  |
|                     |         | Other  |  |
| Disinfection        |         | Chlorine Tube Feeder                                 |  |
|                     |         | Dechlorination Tube Feeder                           |  |
|                     | 2       | Ultraviolet (UV)                                     | <i>not on - reminded May 1<sup>st</sup> to October 31</i>          |
| Flow Metering       | 2       | Elapsed Pump Time                                    | <i>on filter dosing</i>  |
|                     |         | Recorder (continuous total)                          |  |
| Pumps               | 2       | <del>Raw Wastewater (type)</del><br><i>Flow EQ</i>   | <i>okay</i>  |
|                     | 2       | Sand Filter Effluent Dosing                          | <i>okay</i>  |
| Sludge Handling     | 2       | Aerated Storage Tank                                 | <i>okay</i>  |
|                     | 2       | Sludge Drying Bed                                    | <i>okay</i>  |
| Sludge Disposal     |         | Municipal POTW                                       | <i>Completely overgrown</i>  |
|                     | 2       | Landfill   |  |
|                     |         | Land Application                                     |  |
| Advanced Treatment  |         | Post Aeration  |  |
|                     |         | Spray Irrigation                                     |  |
|                     |         | Other  |  |