Ohio EPA
40 years and moving forward
John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

Re: Wood County
Northwestern Water & Sewer – Fostoria North
Community Water System
PWS ID#: OH8752712
LEAD / COPPER

ACTION REQUIRED

December 18, 2012

Mr. Dan Wickard, Operator of Record
Northwestern Water and Sewer District
12560 Middleton Pike
P.O. Box 348
Bowling Green, Ohio 43402

Re: Exceedance of the action level for lead

Dear Mr. Wickard:

We have reviewed your lead and copper tap water monitoring report received on September 27, 2012; the results are summarized below. The **actions you must take** in response to these results are listed on the next page.

Summary of Lead and Copper Tap Monitoring

	Annual
Compliance Period:	2012
Monitoring Period:	June 1 – September 30, 2012
Population:	45
Sampling Sites Required:	5
Sampling Sites Reported:	5

	90th Percentile Concentration (µg/l)	Action Level (µg/l)	Action Level Exceeded?
Lead:	21	15	**Yes**
Copper:	447	1300	No

We suggest a meeting with you to discuss your required actions as soon as possible.

Deadlines and supplemental forms and information for the required actions listed below are included in the attachments to this letter.

Required actions:

1. ***Water Quality Parameter & Entry Point Monitoring (OAC rules 3745-81-87 and 88)***

   Collect samples for Water Quality Parameters and Lead and Copper in the distribution system and at the entry point to the distribution by December 31, 2012.

2. ***Corrosion Control Recommendation (OAC rules 3745-81-81 and 3745-81-82)***

   Submit a Corrosion Control Recommendation to this office by March 31, 2013. At a minimum, the Recommendation must include:

   - a cover letter,
   - a diagram of your water treatment facilities highlighting any proposed changes, and
   - a written recommendation for corrosion control that evaluates the effectiveness of:

     - alkalinity and pH adjustment,
     - calcium hardness adjustment, and
     - addition of a phosphate- or silicate-based corrosion inhibitor at a concentration sufficient to maintain an effective residual concentration in all test tap samples.

   Additional guidance, called *Lead and Copper Rule Guidance Manual, Volume II: Corrosion Control Treatment* (document No. PB-93-101533), can be obtained by calling the National Technical Information Service at 1-800-553-NTIS.

3. ***Detail Plan Submittal (OAC rule 3745-91-02)***

If significant changes to your water system are needed to implement the Corrosion Control Recommendation (typically installation of treatment), detail plans for those changes are due at the same time as the Corrosion Control Recommendation (March 31, 2013).

The detail plans must be prepared and signed by an engineer with a professional engineer's (P.E.) license. Because of the relationship between the detail plans and the Corrosion Control Recommendations, you may wish to consider having your engineer prepare your Corrosion Control Recommendation as well.

4. ***Public Education for Lead (OAC rule 3745-81-85)***

Northwestern Water and Sewer District completed the Lead public education and verification form (submitted to Ohio EPA on December 7, 2012).

Optional Monitoring

A public water system exceeding an action level for the **first time** may use the results from additional (optional) lead and copper monitoring and delay *installation* of the treatment described in the Corrosion Control Recommendation (water quality parameter and entry point monitoring and the corrosion control recommendation are still required).

Contact me immediately if you are considering conducting this optional monitoring. This letter is the **only notification** you will receive regarding the ability to conduct this monitoring; it will not be reflected on your next Chemical Monitoring Schedule.

- For the results to be usable, the ninetieth percentile values for lead and copper must not exceed their respective action levels during the two monitoring periods described below.

- You must use the same number of sites and the same locations (unless corrections are needed) as the **very first six-month** lead and copper monitoring at your system.

- Monitoring would have to begin during the **next available** monitoring period, either January 1 through June 30 or July 1 through December 31, as appropriate. Reports are due to Ohio EPA by July 10 and January 10 of the following year, respectively.

- Report form 5105 is enclosed.

If you have any questions concerning the requirements in this letter or need to request technical assistance, please feel free to contact me at (419) 373-4118.

Sincerely,

Justin Bowerman

Justin Bowerman
Division of Drinking and Ground Waters

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Enclosures: Deadlines
Distribution System and Entry Point Monitoring
Form 5108
Form 5105

pc:
Wood County Health Department
Mr. Jerry Greiner, Executive Director (Northwestern Water and Sewer District)

Ken Baughman, DDAGW-CO
Toni Buchanan, DDAGW-CO
DDAGW, NWDO File w/ enclosures

ec: Paul Brock, DDAGW-NWDO

Deadlines

Monitoring Period: ***June 1 through September 30***

Activity	Deadlines
Water Quality Parameters (WQP) and Additional Lead & Copper Monitoring	December 31, 2012
WQP and Lead/Copper report (Form 5108) to Ohio EPA	January 10, 2013
Corrosion Control Recommendation	March 31, 2013
Detail Plans	March 31, 2013
First round of Optional Initial Monitoring (when permitted)	June 30, 2013
Submittal of Optional Initial Monitoring data to Ohio EPA	July 10, 2013