



State of Ohio Envir

OH5440112

ODOT MERCER CO GARAGE

5/2/2007

Northwest

347 North Dunbridge Road
Bowling Green, OH 43402-9398

TELE: (419) 35
www



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Re: Mercer County
ODOT - Mercer Co Garage
NTNC Water System
PWS ID: OH5440112

LEAD / COPPER

May 2, 2007

Mr. Lonnie Falknor, Building Maintenance Supervisor
Ohio Department of Transportation - District 7
1001 St Marys Ave
PO Box 969
Sidney, Ohio 45365

Re: **Lead Action Level Exceedence**

Dear Mr. Falknor:

We have reviewed your lead and copper tap water monitoring report received on April 25, 2007.

Summary of Lead and Copper Tap Monitoring

	First Initial
Compliance Period:	January 1 - June 30, 2007
Monitoring Period:	January 1 - June 30, 2007
Population:	28
Sampling Sites Required:	5
Sampling Sites Reported:	5

	90th Percentile Concentration (µg/l)	Action Level (µg/l)	Action Level Exceeded?
Lead:	19	15	Yes
Copper:	588.5	1300	No

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Actions Required

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

Monitoring completed by:	June 30, 2007
Report to Ohio EPA by:	July 10, 2007
Sampling frequency:	on two different days collect samples from the distribution system and entry point sites listed below
Number of distribution sites:	1 site(s)
Number of entry point sites:	one site for each entry point to the distribution system
Parameters:	See enclosed document <i>Distribution System and Entry Point Monitoring</i>
Reporting form:	EPA 5108, enclosed

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

By December 31, 2007, a Corrosion Control Recommendation must be submitted to this office. We suggest a meeting with you to discuss this process as soon as possible. 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.

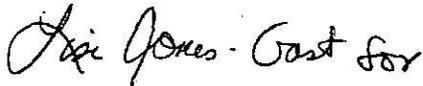
3. Detail Plan Submittal (OAC rule 3745-91-02)

If significant changes to your water system are needed to implement the Corrosion Control Recommendation, detail plans for those changes are also due by December 31, 2007. 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

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U.S. EPA has additional information about lead in drinking water at <http://www.epa.gov/safewater/lead/index.html>. 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) 373-3088 or by Email at jack.schwartz@epa.state.oh.us.

Yours truly,



John A. (Jack) Schwartz
Public Drinking Water Unit
Division of Drinking and Ground Waters

JW/lb

Enclosures: Form 5108
Distribution System and Entry Point Monitoring
Public Education Requirements
Forms 5105, 5106, 5107

pc: Industrial Fluid Management
Mercer County Health Department
IMS-DDAGW-CO, Attention: Toni Buchanan

~~DDAGW, NWDO, NDE, NDE~~

ec: Ralph Baker, DDAGW, NWDO
Lisa Jones-Gast, DDAGW, NWDO
Ellen Gerber, DDAGW, NWDO

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Recommendations, you may wish to consider having your engineer prepare your Corrosion Control Recommendation as well.

On April 12, 2007, Detail Plans of Treatment Modification - Phosphate Iron & Hardness Sequestering were approved.

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

By August 31, 2007, public education materials must be delivered to consumers of the water. Within 10 days of distribution, you must also return to this office a copy of the public education materials distributed and a verification that the materials were distributed as required. See the enclosed attachment *Public Education Requirements* for details.

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 corrosion control *treatment* described above (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 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 **original six-month** lead and copper monitoring at your system.
- Monitoring would have to begin during the **next available** monitoring period, July 1 through December 31, 2007 and January through June, 2008. Reports are due to Ohio EPA by January 10, 2008 and July 10, 2008, respectively.
- Report forms EPA 5105, 5106, and 5107 are enclosed.

If your water system exceeds the action level for either lead or copper in the future, you will need to resume implementation of corrosion control treatment.