





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

Re: Putnam County
Village of Columbus Grove
Community Water System
PWS ID#: OH6900112
LEAD / COPPER

ACTION REQUIRED

January 25, 2013

Mr. Jeff Vance, Village Administrator
Village of Columbus Grove
113 East Sycamore Street
Columbus Grove, Ohio 45830

Re: Exceedance of the action level for lead

Dear Mr. Vance:

The Village of Columbus Grove exceeded the lead action level during the 2005 – 2007 compliance period (June – September 2007 monitoring period). On February 18, 2011, Ohio EPA approved detail plans of a corrosion control study and caustic soda feed facility for corrosion control (Application No. 651274 ws). The Village of Columbus Grove must complete the following:

Required actions:

1. **Install Treatment (OAC rules 3745-81-81 (E)(5) and OAC 3745-81-82 (E))**

The Village of Columbus Grove must install the corrosion control treatment in accordance with approved plans by February 18, 2013, and notify this office upon installation. Upon installation of treatment, biweekly monitoring at the entry point for pH and total alkalinity are required. The data shall be reported in the monthly operating report (5002). The pH should be adjusted to 7.5 in accordance with the plan approval.

2. **Lead and Copper Sampling and Water Quality Parameter Monitoring (OAC rules 3745-81-86(D)(2) and OAC 3745-81-87(C))**

Lead and copper monitoring and water quality parameter monitoring are required during two consecutive 6-month monitoring periods (OAC 3745-81-86 (D)(2) and OAC 3745-81-87 (C)). The next lead and copper monitoring and water quality parameter monitoring must be completed during the **July – December 2013**, monitoring period.

During the two consecutive 6-month monitoring periods, lead and copper results (first draw) must be collected **after the water has not run for at least 6 hours** (Residential building samples must be collected from the cold water kitchen tap or the cold water bathroom sink tap). The Village of Columbus Grove must collect lead and copper samples from at least 20 distribution taps. Samples shall be collected from the same sample sites that were utilized during previous monitoring periods. All lead and copper monitoring results must be submitted on EPA Form 5105. The Village of Columbus Grove must also conduct water quality parameter monitoring during the two consecutive 6-month monitoring periods in accordance with OAC 3745-81-87(C)(1) and (C)(2) as described below.

- **Entry point to distribution system** – At least one sample no less frequently than every two weeks for pH and alkalinity. Results must be reported on the monthly operating report (EPA Form 5002).
- **Distribution system taps** – At least two samples from at least two distribution system taps during each six month monitoring period for pH and total alkalinity. All water quality parameter monitoring collected in the distribution system must be submitted on Ohio EPA Form 5108.

Next Lead and Copper Tap Monitoring

| | |
|--------------------------|----------------------------|
| Sampling Sites Required: | 20 |
| Samples Must Be Taken: | July 1 – December 31, 2013 |
| Monitoring Report Due: | January 10, 2014 |

| | |
|--------------------------|---------------------------|
| Sampling Sites Required: | 20 |
| Samples Must Be Taken: | January 1 – June 30, 2014 |
| Monitoring Report Due: | July 10, 2014 |

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

We have reviewed your lead and copper tap water monitoring report received on January 16, 2013. The 90th percentile lead concentration (18 µg/l) exceeded the action level (15 µg/l). Collect samples for Water Quality Parameters and Lead and Copper in the distribution system and at the entry point to the distribution immediately.

I. Water Quality Parameters

Water quality parameter monitoring consists of flushing the tap, then collecting and analyzing water samples for:

- pH
- temperature
- alkalinity
- calcium
- conductivity

A. Distribution System Samples

Collect at least two samples from at least two distribution system taps.

Tap samples shall be representative of water quality throughout the distribution system taking into account the number of persons served, the different sources of water, the different treatment methods employed by the system, and seasonal variability. This tap sampling is not required to be conducted at taps targeted for routine lead and copper sampling.

B. Entry Point Samples

Each entry point to the distribution system must be sampled **TWICE** for water quality parameters.

Samples collected at the entry point(s) to the distribution system shall be from locations representative of each water source after treatment. If your system draws water from more than one water source and the sources are combined before distribution, monitor at each sampling point during periods of normal operating conditions, that is, when water is representative of all sources being used.

II. Entry Point Monitoring for Lead and Copper

A. Monitoring

Monitor for lead and copper at each entry point to the distribution system. Flush the sampling location before collecting the sample.

Use EPA form 5108 for reporting both water quality parameters and entry point lead and copper results. Attach laboratory analytical results with pertinent data.

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

You must deliver public education materials to consumers of the water within 60 days or by March 1, 2013. And within 10 days of distribution, you must also return to this office a copy of the public education materials distributed and a form verifying that the materials were distributed as required. See the enclosed attachment *Public Education Requirements* for details.

Ohio EPA has, **forms and templates** at
<http://www.epa.ohio.gov/ddagw/reporting.aspx>

Mr. Jeff Vance, Village Administrator
January 25, 2013
Page 4

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
Division of Drinking and Ground Waters

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Enclosures: Deadlines
Form 5108
Public Education Requirements
Form 5105

pc: Putnam County Health Department
Ken Baughman, DDAGW-CO
DDAGW, NWDO File w/ enclosures

ec: Paul Brock, DDAGW-NWDO
Ralph Baker, DDAGW-NWDO

Deadlines

| Activity | Deadlines |
|--|----------------------------|
| Install Corrosion Control Treatment | February 18, 2013 |
| Lead & Copper and Water Quality Parameters (WQP) | July 1 – December 31, 2013 |
| Lead/Copper report (Form 5105) and WQP (Form 5108) to Ohio EPA | January 10, 2014 |
| Public Education (for Lead action level exceedances) | March 1, 2013 |

