



SECTION OF DRINKING WATER PROTECTION
 Fluoridation Phosphate & Nitrate or Nitrite Removal Monthly Report

Instructions on Reverse

| | |
|----------|----------------|
| PWS ID # | Month and Year |
|----------|----------------|

| | | | |
|---|---------------------|--|--|
| Public Water Supply Name | | Entry Point Facility Name | |
| Operator Name (Print) | Operator Signature | Telephone Contact Number | |
| Fluoride Chemical | Raw Water Source(s) | Phosphate Chemical | |
| Raw Water Fluoride Concentration(s) (mg/L) | | Raw Water Nitrate or Nitrite Concentration(s) (circle Nitrate or Nitrite) (mg/L as N) | |

| Date | Meter Reading | Pumped Finished Water Volume | Daily Phosphate Chemical Used | Daily Fluoride Chemical Used | Fluoride Analysis | | Nitrate or Nitrite Analysis |
|------|---------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|----------------------------------|---|
| | | | | | Tested Fluoride Concentration | Distribution System Sample Point | Entry Point Nitrate or Nitrite Nitrogen |
| | | | | | | | (circle Nitrate or Nitrite) |
| | (1000 gallons) 1 | (1000 gallons) 2 | gal or lb 3A | gal or lb 3B | (mg/L) 4 | 5 | (mg/L as N) 6 |
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Some areas of this form may not be applicable to your public water supply monitoring. Please leave those areas blank.

Copy to be sent back each month to: Minnesota Department of Health, Community Water Supply Unit,
 P.O. Box 64975, St. Paul, Minnesota 55164-0975

INSTRUCTIONS FOR COMPLETING THE
FLUORIDATION PHOSPHATE & NITRATE OR NITRITE REMOVAL MONTHLY REPORT

- Column
Number
- 1 Daily water meter reading in thousands of gallons.
 - 2 Pumpage in thousands of gallons: daily meter reading minus the previous day's meter reading.
 - 3A The total number of gallons or pounds (circle one) of phosphate corrosion inhibitor used per day.
 - 3B The total number of gallons of fluoride solution used per day or the total pounds of fluoride compound used if you are using sodium silicofluoride.
 - 4 Distribution system analysis results for fluoride monitoring samples. Daily sample collection is required. Do not collect and analyze composite samples.
 - 5 Distribution system sample location for fluoride monitoring samples. Samples should be collected from different locations each day.
 - 6 Entry Point (downstream of all treatment but prior to entry to distribution system) analysis results for nitrate or nitrite (measured as mg/L nitrogen) monitoring samples. Samples shall be collected and analyzed weekly. Daily monitoring is recommended if finished water concentrations are greater than 7.0 mg/L nitrate or 0.70 mg/L nitrite.

Notes: The raw water fluoride and nitrate or nitrate concentrations should be tested monthly.

The entry point nitrate or nitrite concentration must be tested weekly.

If any nitrate result is greater than 10 mg/L (as N), or any nitrite result is greater than 1.0 mg/L (as N), you should **contact your MDH District Engineer immediately**.

Test strips are not allowed to be used for these analyses.

Approved Nitrate and Nitrite compliance analysis methods include:

| | |
|-------------------------------|---|
| Automated Cadmium Reduction | Automated Hydrazine Reduction (Nitrate) |
| Manual Cadmium Reduction | |
| Ion Chromatography | Ion Selective Electrode (Nitrite) |
| Capillary Ion Electrophoresis | Spectrophotometric (Nitrite) |

Comments:

Send Fluoridation Phosphate & Nitrate or Nitrite Removal Monthly Report to:

Minnesota Department of Health
Community Water Supply Unit
P.O. Box 64975
Saint Paul, MN 55164-0975

Please send MDH comments or questions by contacting the person listed on the Annual Monitoring Schedule, or by calling David Rindal at 651/201-4660.

You may also submit questions and request replacement forms by contacting MDH at the following e-mail address:

health.drinkingwateradvisory@state.mn.us