



Massachusetts Department of Environmental Protection  
Bureau of Resource Protection – drinking water program

# Water Treatment Chemical Feed System Control and Alarm Testing Log

PWS Name \_\_\_\_\_

PWS ID# \_\_\_\_\_

Period \_\_\_\_\_

PWSs with chemical treatment must test controls and alarms for critical chemical feed systems quarterly. A log must be maintained for inspection by the MassDEP DWP when requested.

You may use this sample to create a log if you do not currently have one.

**Important:** When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



| Alarms shall be checked every   |                | Interval (weeks or months) (at least quarterly per MassDEP requirements) |                                       |      |                    |          |
|---------------------------------|----------------|--|---------------------------------------|------|--------------------|----------|
| Identified Alarm Points         | Original Value | Alarm Sounded? Yes/No  | Alarm Reset to Original Value Check ✓ | Date | Operator Signature | Comments |
| Raw Turbidity – High High       | 2.00           |  |                                       |      |                    |          |
| Raw Turbidity – Low Low         | 0.10           |  |                                       |      |                    |          |
| Raw pH – High High              | 7.80           |  |                                       |      |                    |          |
| Raw pH – Low Low                | 5.80           |  |                                       |      |                    |          |
| CT pH - High High               | 7.50           |  |                                       |      |                    |          |
| CT pH - Low Low                 | 5.40           |  |                                       |      |                    |          |
| Finished Comb. Turb - High High | 0.30           |  |                                       |      |                    |          |
| Finished Comb. Turb - Low Low   | 0.00           |  |                                       |      |                    |          |
| Filter #1 Turbidity - High High | 0.30           |  |                                       |      |                    |          |
| Filter #1 Turbidity - Low Low   | 0.00           |  |                                       |      |                    |          |
| Filter #2 Turbidity - High High | 0.30           |  |                                       |      |                    |          |
| Filter #2 Turbidity - Low Low   | 0.00           |  |                                       |      |                    |          |
| Filter #4 Turbidity - High High | 0.30           |  |                                       |      |                    |          |

This Form must be kept on site and available for MassDEP review for at least 5 years.



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PWS Name

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Period

| Identified Alarm Points       | Original Value | Alarm Sounded?<br>Yes/No | Alarm Returned<br>to Original<br>Value | Date | Operator Signature | Comments |
|-------------------------------|----------------|--------------------------|--|------|--------------------|----------|
| Filter #4 Turbidity - Low Low | 0.00           |                          |  |      |                    |          |
| H.S. pH - High High           | 7.80           |                          |  |      |                    |          |
| H.S. pH - Low Low             | 6.90           |                          |  |      |                    |          |
| H.S. Chlorine - High High     | 3.00           |                          |  |      |                    |          |
| H.S. Chlorine - Low Low       | 0.70           |                          |  |      |                    |          |
| L.S. pH - High High           | 7.80           |                          |  |      |                    |          |
| L.S. pH - Low Low             | 6.90           |                          |  |      |                    |          |
| L.S. Chlorine - High High     | 3.00           |                          |  |      |                    |          |
| L.S. Chlorine - Low Low       | 0.70           |                          |  |      |                    |          |
| L.S. Phosphate - High High    | 1.00           |                          |  |      |                    |          |
| L.S. Phosphate - Low Low      | 0.25           |                          |  |      |                    |          |

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