



Ultraviolet Disinfection Treatment

# Instructions for Form UV-A

## General Instructions

UV treatment must receive approval from MassDEP and must conform to the MassDEP UV Guidelines and Policies, Section 5.4.6., as well as Ultraviolet Disinfection Guidance Manual for LT2, SWTR (2007). For more information see <https://www.mass.gov/doc/guidelines-for-public-water-systems-chapter-5-treatment-0>.

This form is to be used only when treatment is for anything other than Surface Water Treatment Rule or Groundwater Rule compliance (e.g.: used as a preventative measure to address Total Coliform issues).

Form **UV-A** must be completed for any month, or portion of any month, that the UV unit was in operation. A separate **UV-A** form must be completed for each UV unit that was in operation. The completed form must be signed and submitted to the appropriate MassDEP region by the 10<sup>th</sup> of the following month.

## Detailed Instructions

II. REPORTING:			
This form is not to be used for SWTR or GWR Compliance			
Date	Volume of Water through UV Unit (gal.)	UV Intensity (mJ/cm <sup>2</sup> or %)	Comments and Daily Record of Maintenance <sup>1</sup>

- **Volume of Water** - Record the gallons of water treated by the UV unit each day.
- **UV Intensity** - Record the UV intensity (mJ/cm<sup>2</sup> or %) of UV lamp(s) as indicated on the meter/digital display of unit.
- **Comments/Maintenance** - Records of any given day must reflect any problems observed or maintenance performed on that day.

**Note: the duty sensor must be checked against the reference sensor at least every 6 months, the quartz sleeve must be checked/cleaned monthly, the lamp(s) shall be replaced yearly, alarms shall be tested every six months, and the quartz sleeve replaced every 5 years.**