This Management Plan identifies some basic requirements for proper operation and maintenance of the E-Z Treat Ultraviolet Light (UV) disinfection device for residential use. Refer to E-Z Treat’s detailed Operation and Maintenance UV Manual for detailed instructions on proper operation and maintenance requirements.

The E-Z Treat UV Manual, submitted by the manufacturer as part of the registration of this product in Minnesota, can be found at the University of Minnesota’s website <http://septic.umn.edu/ssts-professionals/manual/>

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| --- | --- | --- | --- |
| **SYSTEM COMPONENT** | **TASK** | **FREQUENCY** | **RESPONSIBLE PARTY** |
| **E-Z Treat UV Model 1000** | Monitor alarm**\*** | On-going | Homeowner |
| Check influent/effluent quality odor, color, turbidity | Every six months before cleaning and replacing the bulb | Service Provider |
| Collect sample | See operating permit\* |
| Clean bulb | Every six months |
| Replace bulb | May be needed if sampling results do not meet prescribed Treatment Level A or B |
| A minimum of every two years per manufacturer requirements |

**Alarm activation** as indicated by an audible or visual sign indicates the UV light bulb which disinfects the effluent may be malfunctioning. The homeowner is required to contact the Service Provider immediately to have the bulb assessed and fixed. This is a condition of the operating permit – to keep the UV bulb in working order.

UV devices are designed to go after pretreatment units so refer to the sample requirements of that unit. **Sampling requirements** may be specified in local operating permits. The protocol for collection of wastewater samples is specified in the E-Z Treat O&M Manual for Minnesota.

At the time of each service visit, CIDWT [Form 7-6: Disinfection Unit](http://septic.umn.edu/sites/septic.umn.edu/files/form_7-6_2nd_ed-2008.doc)- Ultraviolet Light or similar form should be completed. See <http://septic.umn.edu/ssts-professionals/forms-worksheets#maintenance/>. Sampling requirements are specified in local operating permits. The protocol for collection of wastewater samples is specified in the E-Z Treat Manual for Minnesota.