

**Baltimore County**  
**Department of Environmental Protection & Sustainability**

**Request to Install a UV Disinfection Device**

As per COMAR 26.04.04.09 A, a new water supply may not be put into service for human consumption until a Certificate of Potability has been issued by the Department.

Private water systems that fail to meet the water quality requirements set forth in COMAR 26.04.04.09 B must conform to COMAR 26.04.04.09 D and COBAR 01.03.02.05. A variance by the Department may allow for the installation of an ultra-violet disinfection (UV) device for those wells unable to meet the bacteriological testing requirements if the following conditions are met:

1. The water supply and distribution system is inspected and determined to be in good physical condition, and all reasonable attempts have been made to prevent bacteriological contamination from entering the water supply as certified by one of the following:
  - A licensed master well driller, or pump installer licensed by the Maryland State Board of Well Drillers; or
  - A master plumber licensed by the Baltimore County Plumbing Board.
2. At least two (2) attempts are made to disinfect the well in accordance with COMAR 26.04.04.07, including at least one force chlorination;
3. Fecal coliform is not present in the water supply;
4. A letter is submitted to the Department by the owner of the property requesting approval for an ultra-violet disinfection device along with documentation detailing the chronology of the water quality problem, including water quality test results, dates and type of chlorination efforts, dates and detail of any repair work performed, and the names of contractors who performed the work; and
5. The owner records in the Land Records of Baltimore County an agreement to maintain approved system in accordance with the manufacturer's recommendations.

**If the above criteria can be met, a completed "Request to Install a UV Disinfection Device" form (attached) should be submitted to the Department:**

**Baltimore County**  
**Department of Environmental Protection & Sustainability**  
**Ground Water Management Section**  
**111 W. Chesapeake Ave, Room 305**  
**Towson, MD 21204**

**Baltimore County**  
**Department of Environmental Protection & Sustainability**

**Request to Install a UV Disinfection Device**

A variance to COMAR 26.04.04.09D is requested to install an ultra-violet (UV) disinfection device for following address:

\_\_\_\_\_

street address	Subdivision	Lot #
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Well permit number(s): BA\_\_\_\_\_

**Section I – Well Inspection/Certification**

(This Section to be completed by licensed well driller, pump installer or plumber)

I hereby certify, that on \_\_\_\_\_ (date), the water supply and distribution system at the above-reference address, was inspected and determined to be in good physical condition, and all reasonable attempts have been made to prevent bacteriological contamination from entering the water supply.

As part of this certification, the following corrections/repairs were made:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Contractor Name	Signature	License #
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Address	Phone Number
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**Section II - Chlorination**

Date of chlorination #1: \_\_\_\_\_ Contractor: \_\_\_\_\_

Date of chlorination #2: \_\_\_\_\_ Contractor: \_\_\_\_\_

Date of force chlorination: \_\_\_\_\_ Contractor: \_\_\_\_\_

**Section III: Laboratory Test Results**

Attached are copies of bacteriological results from the certified laboratory.

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**Section IV - Owner Certification**

I hereby certify that I am the owner of the above-referenced property. I understand that county approval will be contingent on review of the information submitted in this request and subject to the following conditions:

- The UV disinfection device must be installed as a whole-house treatment system and equipped with an electronic lamp intensity meter in communication with an automatic shutoff solenoid and audible alarm in case of system malfunction.
- A replacement UV lamp must be kept on the premises at all times.
- Optional bypass to the UV disinfection device is prohibited.
- The UV disinfection device must be equipped with a flow restrictor rated for the model installed.
- The UV disinfection device must be capable of emitting dosages of at least 30,000 microwatt seconds per square centimeter.
- A sediment filter (at least 5 microns) must be installed immediately prior to the UV disinfection device.
- Sampling ports must be installed in the distribution system immediately before any water treatment device or sediment filter and immediately after the UV disinfection device.
- The UV disinfection device must be installed by a licensed plumber, (or other qualified professional) according to the manufacturer's specifications. This includes verification that the water quality meets the minimum characteristics for total iron, hardness, pH, manganese, and suspended solids.
- The presence of the UV disinfection device and conditions for continued operation must be disclosed to any purchaser of the property prior to settlement.

I further agree to operate and maintain the approved UV device in accordance with the manufacturers specifications and in accordance with the conditions set forth above.

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Owner Name	Owner Signature	Date
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Owner Name	Owner Signature	Date
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Owner Address: \_\_\_\_\_

Owner Phone: \_\_\_\_\_

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DEPS Representative Name	DEPS Signature	Date
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